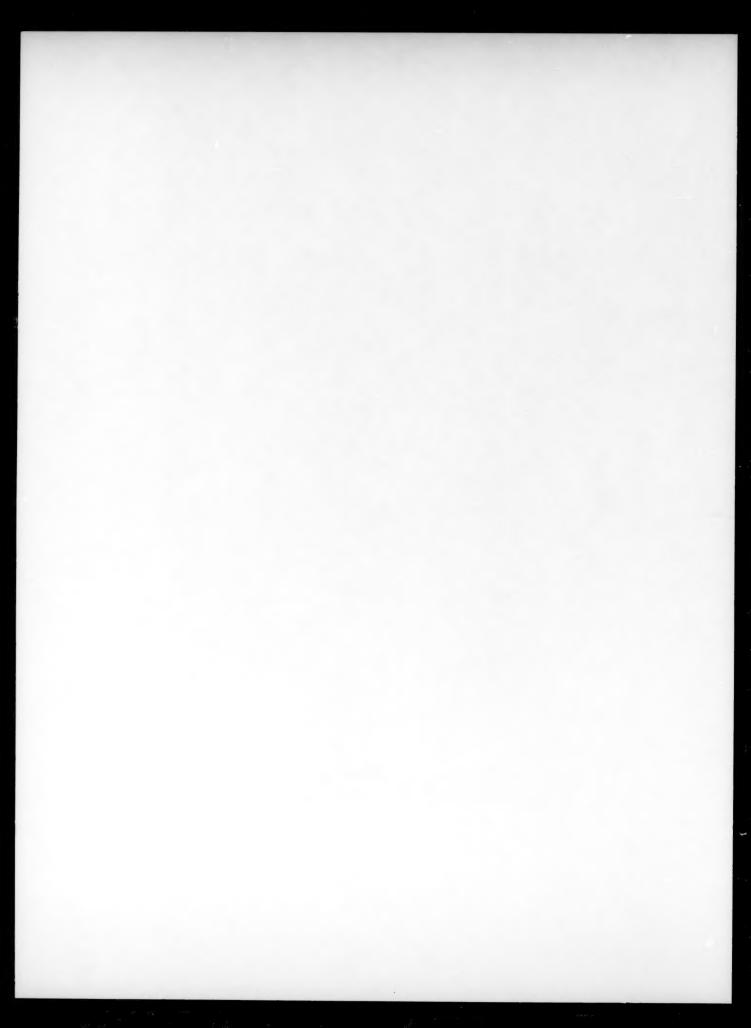
INDEX

JOURNAL OF ORGANIC CHEMISTRY Volume 7, Numbers 1-12, 1971



# JOURNAL OF ORGANIC CHEMISTRY Volume 7, Numbers 1-12, 1971

(A translation of Zhurnal Organicheskoi Khimii)

### A

Abdrakhmanov, I. B. - 2528 Abdulganieva, Kh. A. - 1199 Abdulla, Kandil Farouk - 2019 Abdulvaleeva, F. A. - 962 Abdurasuleva, A. R. - 1021, 1501 Abla Ahmed Ishmael - 2201 Abramova, Z. A. - 1452 Abramyan, Zh. I. -916 Abrazhevich, A. I. - 614 Afanas'ev, I. B. - 1, 457, 462, 687, 691, 880 Afonina, I. I. - 422 Agaeva, S. M. - 740 Aizenshtadt, I. N. - 1105, 1345, 2218 Akalaev, A. N. - 1963, 2522 Akhmedov, Sh. T. - 117, 2008, 2208 Akhmedov, V. M. - 969, 2610 Akhundova, M. A. - 117, 2208 Akimova, G. S. - 2369 Akimova, L. N. - 468 Akmanova, N. A. - 1196 Akperov, O. G. - 2008 Al'bitskaya, V. M. - 1699 Alekperov, N. A. - 1448 Alekperov, R. K. - 117, 2208 Aleksandrov, A. M. - 737, 1728 Aleksandrova, I. Ya. - 2069 Alekseeva, É. M. - 1445 Alekseeva, L. A. - 737, 1521, Alekseeva, L. D. - 2175 Alekseeva, L. V. - 653, 656, 1442 Alekseeva, N. F. - 2410, 2710 Aliev, S. M. - 731 Aliev, Z. É. - 740 Alieva, F. R. - 969 Al'pert, M. L. - 1613, 1643 Al'sing, T. K. - 537 Altukhov, K. V. - 1103, 1425 Andreev, B. Ya. - 1935 Andreev, V. M. - 80, 2621, 2627 Andreeva, L. K. - 2621, 2627

Andreeva, T. P. - 2490 Andrianov, V. F. - 361, 1058 Andrianova, G. N. - 1097 Anisimova, O. S. - 1963 Antipenko, G. L. - 44 Antonovskava, T. S. - 897 Ambartsumova, R. F. - 2034 Amosova, S. V. - 1846 Ardashev, B. I. - 542 Aref'eva, Z. Ya. - 1110 Arkhangel'skaya, N. V. - 861 Arsenyan, G. B. - 2562 Arshinova, R. A. - 405 Artamkina, G. A. - 2092 Artamonova, I. L. - 1829 Artamonova, N. N. - 2274 Artemenko, A. I. - 724 Artem'eva, V. N. - 2387 Artemov, V. N. - 2040 Arutyunyan, A. V. - 452 Atavin, A. S. - 221, 227, 1613, 1643, 1846, 2306 Aul'chenko, I. S. - 94 Averbakh, K. O. - 252 Averina, N. V. - 510 Avetisyan, A. A. - 978, 981 Avetisyan, É. A. - 2662 Avramenko, V. I. - 236, 902 Azerbaev, I. N. - 402, 1504 Azizova, Sh. A. - 2669

## B

Babayan, A. T. - 476, 2344
Babayan, V. O. - 2074
Babievskii, K. K. - 1592
Badanyan, Sh. O. - 628
Badovskaya, L. A. - 1656
Baeva, T. E. - 503
Baeva, V. P. - 2608
Bagal, L. I. - 1105, 1246, 1345, 1376, 1421, 1573, 1681, 1737, 2218, 2659
Bairamov, G. M. - 945
Baklanov, A. V. - 2533
Bakulina, S. I. - 2192
Balabanov, G. P. - 1731

Balezina, G. G. - 232 Bal'yan, Kh. V. - 244, 1139, 1491, 1496, 2330, 2530 Baranov, S. N. - 1611, 2040 Baranova, T. I. - 2348 Baranova, V. A. - 2145 Barba, N. A. - 2548 Bardina, A. A. - 1307, 1561 Bardyshev, I. I. - 2398, 2618 Barinov, I. V. - 423 Barinov, N. S. - 308 Barkhash, V. A. - 759, 767, 1254, 1269 Baroni, E. E. - 2486 Basaev, R. M. - 300 Basaeva, N. N. - 300 Baskakov, Yu. A. - 939 Bashkatova, A. I. - 2729, 1599, 1707 Batalov, A. P. - 875, 2097 Batarova, N. I. - 1370 Batog, A. E. - 1172, 2601 Baturina, I. I. - 1269 Bazanov, A. G. - 1344 Bekmukhametov, R. R. - 427 Beksheneva, N. M. - 2327 Belaventsev, M. A. - 720 Belen'kaya, É. S. - 1329 Belen'kii, L. I. - 532, 1803, 1809 Beletskaya, I. P. - 2092, 2323, 2686 Bel'ferman, A. L. - 8 Belikov, V. M. - 1592 Belikova, N. A. - 1949 Belitskaya, L. D. - 2319 Belokurova, A. P. - 1232, 1769 Belostotskaya, I. S. - 1856 Belous, V. M. - 1521 Belyaev, V. F. - 614, 1661, 1891 Belykh, V. S. - 2516 Berdinskaya, L. I. - 2596 Berdinskii, I. S. - 2592, 2596 Beregovykh, T. M. - 1058 Berestovitskaya, V. M. - 2735 Berezova, L. V. - 641 Berlin, A. Ya. - 383 Berus, E. I. - 759

Berzin, V. B. - 85, 283, 289, 486, 2379, 2383, 2621 Bespal'ko, G. K. - 1596, 2354 Besschetnova, L. M. - 2412 Bezobrazov, Yu. N. - 2373 Bezuglyi, V. D. - 204 Bik Ha, Nguyen - 2022 Bikkulov, A. Z. - 551 Bilalov, S. B. - 740, 778 Bilim, G. V. 653 Bilobrova, A. I. - 803, 2250 Birosiva, M. A. - 1549 Bizdena, É. O. - 2621 Blagoveshchenskii, V. S. - 599 Blanko, F. F. - 2739 Blanshtein, I. B. 503 Blinova, L. S. - 2238 Blyum, R. A. - 1182, 1186 Bobkov, A. S. - 2073 Bodnaryuk, F. N. - 2210 Bodrikov, I. V. - 1630, 1634, 1638, 2064 Bogatkov, S. V. - 1930 Bogatskii, A. V. - 405, 584, 591, 1608, 2637 Bogdanov, V. S. - 1296, 1394, 2025 Boguslavskaya, L. S. - 447, 645, 1382, 1876 Boiko, S. A. - 114, 1528, 1766 Boiko, V. N. - 784, 789 Bokova, A. I. - 1075 Boksiner, E. I. - 679 Boldyrev, B. G. - 1051, 2062, 2319 Boldvrev, M. D. - 1681 Bolesov, I. G. - 1688, 2309 Bolotin, B. M. - 1745 Bolotov, V. V. - 1091 Borisova, É. Ya. - 1208 Borovaya, V. G. - 633 Braz, G. L. - 1534 Brestkin, P. A. - 2312 Bronshtein, É. A. - 1237, 1898 Brudz', V. G. - 1745 Brunovlenskaya, I. I. - 2019 Bryukhno, G. S. - 1602 Brysova, V. P. - 2373 Bubel', O. N. - 2543 Budylin, V. A. - 1568 Buevich, V. A. - 1103, 1425, 2723 Bugai, G. Z. - 1695 Buinova, É. F. - 2398 Bukhvalova, N. V. - 2162 Bulat, A. D. - 567, 2308 Bulatskii, N. P. - 1161 Bulavin, L. G. 1856, 2168, 2703

Bulovyatova, A. B. - 447, 645, 1382
Bundel', Yu. G. - 429
Bunina-Krivorukova, L. I. - 1491, 1496
Burde, N. L. - 653, 656, 1442
Burdelev, O. T. - 1684
Burenko, S. N. - 2737
Burmistrov, S. I. - 354, 607, 621, 2015, 2516
Bushnev, A. S. - 2214, 2404
Butin, K. P. - 2686
Buzykin, B. I. - 1111
Bychkova, G. S. - 891, 2573

Chaika, E. A. - 2243 Chaman, E. S. - 266 Chaplits, D. N. - 2377 Chebotova, N. G. - 331, 544 Chekryshkin, Yu. S. - 311 Cherevatova, G. G. - 127 Cherkashina, N. A. - 631 Cherkasov, A. N. - 955, 1477 Cherkasov, L. N. - 104, 1139, 1348, 1364, 2330, 2530 Cherkasova, E. M. - 1208, 1930 Cherkasova, V. A. - 2192 Chernousova, N. N. - 906, 908 Chernova, N. G. - 383, 1745 Chernyak, B. I. - 633 Chernyakhovskaya, S. G. - 759 Chernyavskaya, T. A. - 125, 127 Chernysheva, D. A. - 208 Chetkina, L. A. - 1065 Chibisova, T. A. - 142 Chicherina, I. I. - 2647 Chichkanova, I. S. - 2158 Chichkareva, G. G. - 33, 649 Chirko, A. I. - 130, 1887 Chirkova, R. G. - 303 Chirtulov, V. G. - 1973, 2663 Chizhov, O. S. - 416, 2104, 2108 Chobanyan, P. S. - 2344 Chochua, K. A. - 2104, 2108 Chukhadzhyan, É. O. - 476 Chukhadzhyan, G. A. - 916 Chumak, A. D. - 714 Churikov, F. I. - 528 Churkin, Yu. V. - 774 Chursina, N. A. - 2032 Chuvylkin, N. D. - 2025

#### D

Damirova, F. G. - 469 Danchenko, M. N. - 2440 Dangyan, M. T. - 978, 981 Danileiko, D. A. - 358, 607 Danilenko, G. I. - 416 Danilina, L. L. - 703 Danilova, T. A. - 631 Danyushevskii, Ya. L. - 1985 Dashunin, V. M. - 276 Davidenko, T. I. - 1608 Davidson, I. P. - 125, 127 Davydova, S. M. - 1199 Degutene, A. - 1433 Degutis, Yu. - 995, 1433, 1436 Dembitskii, A. D. - 1617 Dem'yanovich, V. M. - 726, 1715 Derendyaev, B. G. - 767, 2681 Dergunov, Yu. I. - 1731 Derkach, N. Ya. - 1600 Detsina, A. N. - 2675 Didkovskii, V. E. - 2588 Dikolenko, E. I. - 1601 Dirvyanskite, N. - 1436 Dobrovinskii, L. A. - 2150 Dobychin, S. L. - 1597 Dodonov, V. A. - 491, 1463, 2581 Dokunikhin, N. S. - 2274 Dolgopolov, O. N. - 1968 Dolgopol'skaya, M. M. - 506, 1347 Dombrovskii, A. V. - 1024, 1757 Domnin, I. N. - 1106, 2551 Dorfman, Ya. A. - 1641, 1825, 2127 Dorn, H. - 2739 Dorofeenko, G. N. - 421, 870, 1335, 2740 Doroshenko, V. A. - 607 Drapkina, D. A. - 2083 Dren, É. Ya. - 513 Drobyshevskaya, E. V. - 2447 Dronkina, M. I. - 2077 Dronov, V. I. - 161, 1351, 1817 Drozd, V. N. - 419, 1997, 2480 Dryuk, V. G. - 236, 682, 902 Dubchenko, V. N. - 933 Dubenko, R. G. - 1728, 2002, 2443 Dubina, V. L. - 354 Dubinskaya, É. I. - 2655 Dubov, S. S. - 703, 2066 Dunina, V. V. - 2447 Dustmukhamedov, T. T. - 781, 1947 Dvornikova, K. V. - 2733 D'yachenko, I. A. - 1803 D'yakonov, I. A. - 414, 2190, 2389 Dyaminov, M. S. - 897

Dyatkin, B. L. - 1408, 1904

Dyumaeva, T. N. - 833 Dzhavadov, F. É. - 1473 Dzhibladze, L. I. - 2338 Dzumedzei, N. V. - 2601

#### E

Efimova, A. G. - 973 Efimova, E. I. - 182, 2282, 2539 Éfros, L. S. - 1246 Égenburg, I. Z. - 1828 Egorova, L. G. - 204 Egorova, S. P. - 405 Éizen, O. I. - 98, 2111 El'tsov, A. V. - 186, 825, 1312, 1319, 1324, 1579, 2285, 2315 El'yanov, B. S. - 1985 Énglin, M. A. - 1100, 1346, 2407, 2410, 2710 Enikeev, R. S. - 1109, 1351, 1831, 2068 Enin, A. S. - 1737, 2162, 2659 Éntelis, S. G. - 63 Erashko, V. I. - 425 Eremeeva, T. É. - 2435 Eremin, S. K. - 1762 Eremina, É. Ya. - 1592 Ermarchenko, V. I. - 984 Ermishov, A. Yu. - 2470 Ermokhina, V. A. - 1501 Ermolenko, N. V. - 2733 Ershov, B. A. - 1865 Erykalov, Yu. G. - 1232, 1769. 1973, 2663 Erykalova, M. F. - 1463 Étlis, V. S. - 76, 482, 645, 1382, 1876 Evstigneeva, R. P. - 47, 51, 55, 164, 167, 494, 498, 666, 669, 837, 973, 1599, 1707, 1830, 1849, 2214, 2402, 2404, 2729 Evstratova, M. I. - 1536 F

Fainzil'berg, A. A. - 425
Fal'ko, V. S. - 161, 1817
Farzaliev, V. M. - 1011
Favorskaya, I. A. - 1445
Favorskaya, T. A. - 33, 649, 1221, 2535, 2727
Fedorov, L. A. - 436
Fedorova, G. N. - 973
Fedorova, O. I. - 2071
Fedorova, T. A. - 417
Fedorovskaya, M. A. - 2742
Fedotov, Yu. A. - 1108, 2304
Feigel'son. L. A. - 1105
Fel'dblyum, V. Sh. - 2348

Fialkov, Yu. A. - 1976, 2651 Filatov, A. S. - 2407, 2410, 2710 Filatov, V. M. - 1769 Filip, G. A. - 584, 591 Filippov, M. P. - 2548 Filippova, A. Kh. - 2655 Filippova, T. M. - 1, 880, 1166 Filonova, E. B. - 1157 Finkel'shtein, A. I. - 989, 2524 Fokin, A. V. - 239, 241, 1199, 1454 Fokin, E. P. - 367, 813, 2502 Fomin, V. A. - 76 Fomina, T. B. - 2387 Forostyan, Yu. N. - 182, 2282, 2539 Frankovskii, Ch. S. - 331, 544 Fridman, A. L. - 627, 1102, 1154, 1353, 1909, 2084, 2531 Frolov, A. N. - 825, 1573 Frolov, V. I. - 1115 Frosina, K. V. - 1199

## C

Gabaraeva, Yu. A. - 1083 Gabdrakhmanov, F. G. - 122 Gabitov, F. A. - 1154, 1353 Gabsatarova, S. A. - 897 Gadzhiev, M. M. - 885 Gaeva, L. A. - 2274 Gaevskaya, S. R. - 1260 Gafarov, A. N. - 1663 Gafurov, T. G. - 2056 Galanov, M. É. - 1781 Galibei, V. I. - 1723 Galkina, N. I. - 1704 Gal'perin, V. A. - 989, 2524 Gamaga, L. I. - 2158 Gamper, N. M. - 1412 Gandel'sman, L. Z. - 2651 Gankina, L. V. - 51, 55 Gapalo, V. I. - 857 Gapeeva, M. V. - 1429, 2519 Garber, T. Kh. - 2377 Garber, Yu. N. 2605 Gareev, G. A. - 631 Garnovskii, A. D. - 778 Gasanov, K. G. - 436 Gasanov, M. S. - 1518 Gasparyan, S. M. - 26 Gavrilov, B. M. - 1849 Gavrilov, L. D. - 920, 928 Gavrilova, L. A. - 196 Gavrilova, N. K. - 2524 Gavrilova, T. F. - 94 Gazieva, N. I. - 1881 Gel'bina, Zh. P. - 2418

Gella, I. M. - 607 Geller, B. A. - 1388, 2588 Georgievskava, G. D. - 1681 Gerasimenko, Yu. E. - 2505, 2508 Gerasimova, T. N. - 813, 1269 Gevorkyan, A. A. - 628 Gezalyan, Dzh. I. - 854 Gidaspov, B. V. - 1344 Gil'burd, M. M. - 8 Ginak, A. I. - 1549, 1552, 1799, Ginsburg, V. A. - 1881, 2154, Ginzburg, O. F. - 1991, 2248 Gitis, S. S. - 361, 1058, 1237, 1241, 1898, 2322 Gladyr', S. A. - 2309 Glaz, A. Sh. - 361 Glinskava, L. Ya. - 2637 Glukhov, B. M. - 1793, 2697 Glushko, L. P. - 1653 Glushkov, R. G. - 1178, 1480, 2522 Golad, E. L. - 1421 Gol'dfarb, Ya. L. - 532, 1296, 1803, 1809, 1985, 2025 Gol'din, G. S. - 252 Goldobin, S. F. - 1663 Golikov, V. I. - 737 Golod, E. L. - 1376 Golodova, K. G. - 855, 2139 Golov, V. G. - 2186, 2296, 2300 Golovanova, N. I. - 232 Golovin, E. T. - 1793, 2697 Gol'teuzen, É. É. - 1241 Golubyatnikova, A. A. - 679 Gorban', A. K. - 2365 Gorbatenko, V. I. - 2317 Gorbatov, E. I. - 823 Gorbunova, S. L. - 2162 Gordadze, G. N. - 2076 Gordetsov, A. S. - 1731 Gorelik, M. V. - 1065, 1536 Gorfinkel', M. I. - 1357 Gorokhovskii, G. B. - 808 Goryaev, M. I. - 1617 Gozalova, N. S. - 2032 Grabenko, A. D. - 937, 2440 Gragerov, I. P. - 1597, 2087 Gramenitskaya, V. N. - 80 Grandberg, I. I. - 1568, 2117 Granik, V. G. - 1178, 1480, 2522 Grekov, A. P. - 316, 794, 1175 Grigoryan, J. V. - 2344 Grin, L. M. - 1250 Grinberg, A. E. - 333, 337

Grinblat, M. P. - 2369 Grinchenko, T. V. - 136, 2511 Grinenko, G. S. - 950, 1963, 2071 Grinev. A. N. - 862 Grineva, V. S. - 1609, 2723 Grinvalde, A. K. - 513 Gru, B. A. - 1352 Grudtsyn, Yu. D. - 1898 Gruntfest, M. G. - 1078 Grushevich, V. I. - 614 Gruzdev, V. G. - 1113 Gryaznov, A. P. - 269, 273 Gryzlova, G. K. - 624 Gudzenko, V. I. - 157 Gukova, R. A. - 2373 Gurbanov, P. A. - 410, 1133, 1136, 1418 Gurvich, Ya. A. - 333, 337 Gusarova, N. D. - 125 Gusarova, N. K. - 1846 Guseinov, M. M. - 1448, 1473, 2634 Guzikov, A. Ya. - 73, 2712 Gyul'akhmedov, L. M. - 30

# I

Ibragimov, F. - 2056 Ibragimov, N. Yu. - 740 Ibranov, P. S. - 402 Idlis, G. S. - 503, 1623 Ignatyuk, L. N. - 1221 Il'ichev, I. E. - 2511 Il'ichev, Yu. E. - 2511 Illarionova, N. G. - 1870 Il'ina, I. G. - 136 Ioffe, B. V. - 2725 Ioffe, D. V. - 89, 2259, 2495 Ioffe, I. S. - 171, 398, 632, 1097, 2276, 2544 Iogansen, A. V. - 2608 Ionin, B. I. - 331, 891 Ioramashvili, D. Sh. - 2338 Isaev, I. S. - 864, 1117, 1232, 1357, 2412 Isaev, S. D. - 1210, 2731 Isaeva, G. G. - 2079, 2428 Isaeva, S. S. - 860 Isagulyants, V. I. - 1115, 1859, 2032 Ismagilova, G. S. - 1102, 2531 Ismailov, A. G. - 945, 1473, 2196 Ismailova, Sh. E. - 402 Ismailzade, I. G. - 885 Ispiryan, R. M. - 2074, 2135 Ivanchev, S. S. - 1723 Ivanov, A. V. - 361, 1058 Ivanov, K. I. - 1887

Ivanov, L. L. - 51, 55, 2722 Ivanova, L. F. - 1943 Ivanova, L. P. - 36 Ivanova, L. V. - 2690 Ivanova, T. L. - 1549 Ivanskii, V. I. - 2190

# K

Kabanova, M. A. - 1355, 2175 Kadri, S. El. - 1865 Kagan, E. Sh. - 542 Kaikaris, P. A. - 279 Kakhniashvili, A. I. - 2338 Kalechits, I. V. - 1213 Kalibabchuk, N. N. - 333 Kalik, M. A. - 2025 Kalinin, V. N. - 436 Kalinina, G. R. - 871, 910 Kalnin', S. V. - 1668 Kalnin'sh, K. K. - 1829 Kalyavin, V. A. - 612 Kalyuzhnaya, V. G. - 2051 Kamai, G. Kh. - 1734 Kamalov, G. L. - 2637 Kamarov, V. A. - 36 Kaminskaya, É. G. - 2322 Kaminskii, A. Ya. - 361, 1058, 1237, 1241, 1898, 2322 Kandabarova, S. S. - 1766 Kanina, T. I. - 2720 Kapkan, L. M. - 2651 Kaplanyan, É. E. - 452, 1128 Karabanov, N. A. - 2584 Karadzhyan, K. N. - 1938 Karaulov, E. S. - 710 Karavan, V. S. - 1508, 1741 Karazhanova, N. A. - 1641 Karegishvili, L. I. - 2486 Karele, B. Ya. - 1674 Karel'skii, V. M. - 2182 Kargapolova, F. V. - 1883 Karishin, A. P. - 149, 2541 Karmanova, I. B. - 1809 Karpenko, N. F. - 416 Karpov, G. A. - 2238 Kartseva, T. V. - 2526 Kartashov, V. R. - 1630, 1634, 1638, 2064 Kartashova, N. A. - 1463 Kashik, T. V. - 1613, 1643 Kasukhin, L. F. - 2087, 2545 Kas'yan, L. I. - 2221 Kataev, E. G. - 69, 122, 2318 Kayukova, G. D. - 276 Kazachkova, L. N. 1968 Kazankova, M. A. - 58

Kazbulatova, N. A. - 2079, 2104, 2428 Kazimirchik, I. V. - 599 Kazitsyna, L. A. - 1037, 1043 Kazymov, A. V. - 2038 Kefeli, A. A. - 2122 Kenbaeva, R. M. - 1106 Khabibullin, M. F. - 774, 2327 Khabibullina, L. N. - 374 Khachaturov, A. S. - 1870 Khamel'nitskii, R. A. - 393 Khanmetov, A. A. - 2610 Kharchenko, V. G. - 618, 1612 Khardin, A. P. - 984 Kharitonova, L. F. - 526 Khaskin, I. G. - 1388, 2588 Kheifets, G. M. - 196 Kheifets, L. Ya. - 2231 Kheifits, L. A. - 94 Khisamutdinov, G. Kh. - 425 Khizhnyi, V. A. - 337 Khmel'nitskii, R. A. - 389, 1568, 1843, 2117 Kho, Nguyen - 1011 Khochenko, I. I. - 294 Khokhlov, V. N. - 2285 Kholodov, L. E. - 866 Khomenko, A. A. - 1307 Khromov-Borisov, N. V. - 196, Khrustalev, V. A. - 2535, 2727 Kilimov, A. P. - 2313 Kim, L. Yu. - 2276 Kirichenko, V. I. - 1544 Kirichenko, Yu. V. - 2327 Kirillov, A. I. - 1943 Kirillova, L. P. - 923, 2566 Kirillova, M. A. - 13 Kiro, Z. B. - 2279 Kirsanov, A. V. - 413, 1047, 1605 Kitaev, Yu. P. - 1111 Kleimenova, V. I. - 618 Klyashchitskii, B. A. - 494, 498, 1830 Klyuev, N. A. - 389, 393, 2117 Knirel', Yu. A. - 2519 Knunyants, I. L. - 1182, 1186, 1408, 1904 Kobrina, L. S. - 560, 1263 Kocharyan, S. T. - 2344 Kochergin, P. M. - 2238 Kochetkova, N. S. - 1982 Kokin, V. N. - 2022 Kolbina, S. E. - 232 Koldobskii, G. I. - 1737, 2659 Kolesnikov, S. A. - 1587

Kolesnikov, V. T. - 1051, 2319

Kolesova, M. B. - 2315 Kollegova, M. I. - 759, 767, 1269 Kolodyazhnyi, Yu. V. - 778, 1078 Kolomiets, A. F. - 1454 Komarov, V. A. - 1199 Komarova, L. F. - 2605 Komendantov, M. I. - 427, 1106, Kondratenko, N. V. - 2473 Kondratenko, V. I. - 1388 Kondrat'eva, S. E. - 621 Konovalov, A. I. - 69 Konovalova, L. K. - 69 Konovalova, Z. A. - 1663 Konysheva, V. D. - 2002 Koppel', S. I. - 820 Kopranenkov, V. N. - 1684 Koptyug, V. A. - 864, 1117, 1232, 1469, 2225, 2412, 2490, 2675, 2681 Korbukh, I. A. - 2739 Korchagina, D. V. - 2681 Korin'ko, V. N. - 1594 Korionov, B. V. - 2366 Korneva, L. M. - 556 Kornienko, R. A. - 139 Korobitsyna, I. K. - 411 Korolev, B. A. - 1225, 1228 Korotchenkova, N. V. - 2075 Korshunov, M. A. - 2210 Korshunov, S. P. - 2205 Koryakin, A. G. - 989 Korzhenevskaya, N. G. - 2651 Koshkin, L. V. - 300 Koshkina, I. M. - 1445 Koshovskii, B. I. - 633 Kositsyna, É. I. - 1350 Kost, A. N. - 847, 1568, 1843, 2423, 2686 Kostikov, R. R. - 414, 2389 Kostromina, N. A. - 320 Kostyuchenko, N. P. - 1329 Kosygin, V. I. - 1192 Kotikyan, Yu. A. - 1408 Kovalenko, N. P. - 2231 Kovalenko, T. I. - 933 Kovalenko, V. I. - 933 Kovalev, B. G. - 673, 676 Kovalev, E. G. - 204 Kovalevskaya, T. V. - 1596 Kovshev, E. I. - 364 Kovtun, V. Yu. - 861 Kovyrzina, K. A. - 2486 Kozachuk, D. N. - 1976 Kozhevnikova, N. I. - 1612 Kozlov, N. S. - 1452

Kozlov, V. V. - 133, 1762

Kozlova, L. A. - 1949 Kozlova, V. A. - 1352 Koz'min, A. S. - 2309 Krakhmal'naya, L. A. - 2551 Krasnoshchek, A. P. - 2615 Krasutskii, P. A. - 1210 Kraychenko, O. B. - 843 Kravchuk, T. S. - 506 Kremlev, M. M. - 114, 1528, 1766 Kreshkov, A. P. - 1028 Krichevskii, É. S. - 862 Krichevskii, L. A. - 1958 Krillov, A. I. - 1702 Krimer, M. Z. - 1412 Krivoshchekova, O. E. - 474, 1412 Krivosheya, A. N. - 104 Krivousova, E. D. - 1004 Kruglikova, R. L. - 871, 910 Kryukov, N. V. - 2534 Kryukov, S. I. - 637 Kryukova, L. M. - 398, 1097, 2276 Kuchar', V. P. - 413, 2165 Kucher, R. V. - 1172, 2601 Kucherov, V. F. - 1448, 2634 Kudryavtseva, N. A. - 2205 Kugatova-Shemyakina, G. P. -80, 85, 283, 289, 486, 2379, 2383, 2621, 2627 Kuimova, M. E. - 1485 Kuimova, N. M. - 923 Kukalenko, S. S. - 1883 Kukhar', V. P. - 1047 Kukhtenko, I. I. - 324, 327 Kulaeva, L. N. - 937 Kuleshov, A. P. - 2190 Kulibekov, M. R. - 2365 Kuliev, A. B. - 30, 469 Kuliev, A. M. - 30, 469, 731, 1011, 1518 Kuliev, Sh. S. - 472 Kulieva, A. B. - 1518 Kulik, A. P. - 2015 Kulikov, Yu. M. - 133 Kulikova, A. E. - 256, 443 Kul'nevich, V. G. - 579, 1656 Kumpanenko, I. V. - 63 Kundryutskova, L. A. - 1930 Kupin, B. S. - 104, 409, 1142, 1148, 1151 Kuranova, I. L. - 38, 1157 Kurkchi, G. A. - 2608 Kurmangalieva, R. G. - 1504 Kurochkin, A. F. - 682 Kurochkin, V. K. - 2066

Kursanov, A. V. - 2165 Kursanov, D. N. - 2145 Kurts, A. L. - 2323 Kustanovich, I. M. - 1166 Kutsenko, L. M. - 1250, 1510 Kuznetsov, M. A. - 2725 Kuznetsov, S. G. - 89, 2312, 2495 Kuznetsova, L. D. - 239 Kuznetsova, L. N. - 897 Kuznetsova, N. A. - 825 Kuznetsova, T. A. - 232 Kuznetsova, T. S. - 1392, 1659 Kuzub, V. S. - 1352 Kuzyev, A. R. - 374 Kvitko, I. Ya. - 1292 Kyon, S. S. - 1825 Kyandzhetsian, R. A. - 2316 Kyazimova, N. S. - 472 Kyskina, A. S. - 51, 55

L

Laba, V. I. - 2577 Lapenko, V. L. - 1170 Lapkin, I. I. - 479, 1956, 2366, 2584, 2586 Latov, V. K. - 1592 Laukhina, L. I. - 1335 Lavrinenko, E. S. - 676 Lavrov, V. I. - 227 Lavrushin, V. F. - 1250, 1510, 2254 Lazareva, V. T. - 799 Lazurin, E. A. - 1832 Lebedenko, L. K. - 542 Lebedev, N. N. - 1920 Lebedeva, É. G. - 308 Lebekhov, A. G. - 774 Lekar', M. G. - 2443 Lelyak, G. F. - 726, 1715 Leonova, E. V. - 1982 Lerman, B. M. - 1110 Lerman, Z. A. - 361 Levanda, O. G. - 209 Levandovskaya, T. V. - 2285 Levchenko, E. S. - 1600, 1605 Levin, É. S. - 1065 Levina, R. Ya. - 1429, 1688, 2019, 2022, 2309, 2519, 2716 Lezhnina, G. D. - 1111 Libman, N. M. - 2312 Liepin', É. É. - 520, 1488 Likhterov, V. R. - 76 Limasova, T. I. - 759 Linberg, L. F. - 498 Lipina, É. S. - 629 Lipovich, V. G. - 1213 Lipovich, T. V. - 920

Lishanskii, I.S. - 1829, 1870 Lisitsyn, D. M. - 2377 Lisitsyn, V. N. - 2269, 2666 Litvinenko, L. M. - 107, 803, 808, 2250, 2418 Litvinov, V. P. - 1296 Loiko, Zh. F. - 2618 Loim, N. M. - 2145 Lopatin, V. E. - 1319, 1324 Lopyrev, V. A. - 1456 Lozinskii, M. O. - 1594 Lubenets, É. G. - 813 Lubinina, T. N. - 1605 Lugovskaya, E. K. - 2666 Lukashenko, I. M. - 98, 2111 Lukashevich, O. V. - 1376 Luknitskii, F. I. - 1286, 2261 Luk'yanets, E. A. - 364 Luk'yanov, S. M. - 421 Luk'yanov, V. B. - 720 Lur'e, É. P. - 1904 Lutsenko, I. F. - 58 Lutsenko, V. V. - 1182, 1186 Lyalin, V. V. - 1524

## M

Magdesieva, N. N. - 2316 Maiofis, S. L. - 2261 Makarov, S. P. - 1346, 2361 Makhnach, V. I. - 2573 Makhsumov, A. G. - 573, 1833 Makin, S. M. - 2201 Maksakov, V. A. - 1561 Maksimov, V. I. - 950 Maksimova, L. I. - 2315 Malichenko, B. F. - 1994 Malinovskii, M. S. - 236, 682, 897, 902, 1653, 2221 Malkes, L. Ya. - 2231 Malook, G. P. - 933 Mamedov, I. M. - 885 Mamikhina, T. F. - 136 Mamontova, I. V. - 1, 462, 687, 691,880 Man Hung, Nguyen - 1859 Mangasaryan, Ts. A. - 978, 981 Mannafov, T. G. - 2318 Manole, S. F. - 2548 Manukyan, M. A. - 916 Marakatkina, M. A. - 1985 Marchik, É. F. - 891, 2573 Mardanov, M. A. - 969, 2610 Maretina, I. A. - 13, 1620, 2132, Markevich, V. S. - 269, 273, 2158 Markov, V. I. - 358, 607 Markovskii, L. N. - 1605, 2354

Martirosyan, F. A. - 2074 Martynov, I. V. - 2066 Martynova, É. N. - 1601, 2615, 2632 Martynova, L. L. - 2154, 2358 Masagutov, R. M. - 774, 2327 Mashevskaya, M. S. - 2592 Masias, A. - 2323 Maslennikov, V. P. - 696 Matsoyan, S. G. - 854, 978, 981 Matveev, V. A. - 631 Matyushecheva, G. I. - 1704 Mazalova, Z. I. - 1456 Mazaryan, A. A. - 1128 Medekshene, G. - 995 Medvedeva, A. S. - 33, 649, 913 Mekhtiev, S. I. - 1650 Melent'eva, T. G. - 575 Meleshevich, A. P. - 897 Melikyan, G. S. - 978 Melikyan, V. R. - 1859 Melkonyan, N. K. - 26 Mel'nikov, N. N. - 734, 2669 Mel'nikova, S. F. - 2218 Mel'nikova, S. P. - 1372 Mel'nikova, V. I. - 859 Merkushev, E. B. - 526 Mezheritskaya, L. V. - 870 Mikhailov, B. M. - 1485 Mikhailov-Makarychev, M. - 855 Mikhailova, S. V. - 1678 Mikhailova, V. N. - 567, 2308 Mikhant'ev, B. I. - 119, 1604 Mikheev, V. V. - 1108, 2304 Mikhelashvili, I. L. - 1394 Miklant'ev, B. I. - 1170 Mikul'shina, V. V. - 706 Mil'vitskaya, E. M. - 294 Mineeva, L. I. - 300 Minibaev, A. V. - 374 Minkin, V. I. - 2455 Minlibaeva, A. N. - 1339, 1341 Mironov, A. F. - 164, 837 Miropol'skaya, M. A. - 1166 Mirskova, A. N. - 221, 1613, 1643, 2306 Mirzoev, B. M. - 1011 Mkryan, G. M. - 26, 452, 1128, 2135, 2562 Mochalin, V. B. - 833, 1366, 1555 Mochalova, N. K. - 2596 Modyanova, L. V. - 1821 Mogileva, I. M. - 1799 Moin, F. B. - 8 Moisak, I. E. - 528, 1124 Moiseev, I. I. - 209

Molchanov, A. P. - 414, 2389 Moldavskii, D. D. - 44 Mondishka, D. M. - 1429 Monich, N. V. - 2690 Morozov, A. A. - 2412 Morozov, E. N. - 1303 Moshchinskaya, N. K. - 1961 Moskovich, Yu. L. - 503 Mostova, M. I. - 89, 2495 Movsumzade, M. M. - 410 1133, 1136, 1418 Movsumzade, S. M. - 410, 1133, 1136, 1418 Mozulenko, L. M. - 1469 Mukhamedova, L. A. - 1788 Mukhametova, D. Ya. - 1192, 1196 Mukhametshin, F. M. - 627, 1909, 2067, 2084 Murugova, A. A. - 2011 Murza, M. M. - 2672 Musabekov, Yu. S. - 300 Musaev, Sh. A. - 945 Mushenko, D. V. - 308 Mushkin, Yu. I. - 851, 1731, 2186, 2296, 2300 Mustafaev, R. I. - 1400 Muzychenko, G. F. - 1656

#### N

Nabiev, N. N. - 2335 Nasriddinov, T. Yu. 573, 1833 Nazaretyan, V. P. - 1016 Nazarova, A. A. - 2205 Nazarova, O. - 1501 Nazarova, Z. N. - 843, 1078, 1083 Nazaryan, A. A. - 2562 Nazimov, I. M. - 47 Neiland, O. Ya. - 1668, 1674, 2435, 2537 Neiman, L. A. - 2463 Nekrasov, S. V. - 186, 1579 Nekrasova, G. V. - 420 Neplyuev, V. M. - 1728, 2002, 2443 Nepochatykh, V. P. - 2722 Nesmeyanov, A. N. - 556 Nesmeyanov, Nik. A. - 612, 706 Nesterova, L. S. - 294 Nichikova, P. R. - 933 Nikeryasov, S. V. - 2643 Nikiforov, G. A. - 1856 Nikitchenko, V. M. - 2254 Nikitin, V. A. - 1402 Nikitin, V. I. - 1852 Nikitina, S. B. - 389, 2117

Nikolaev, V. A. - 411 Nikolaeva, A. D. - 1154, 1353, 1734 No, L. V. - 2533 Nogerbekov, B. Yu. - 1641 Noskov, V. G. - 2305 Noskova, N. F. - 1617 Novak, M. A. - 252 Novikov, A. N. - 524, 526 Novikov, S. S. - 416 Novikova, É. I. - 1803 Nurieva, T. Z. - 469

#### 0

Ocheretovyi, A. S. - 2663 Ogorodnikov, S. K. - 1623 Ogurtsova, I. V. - 2071 Okrokova, I. S. - 2064 Oksenenko, B. G. - 753 Oleinikova, E. B. - 224 Olekhnovich, E. P. - 1335 Olekhnovich, L. P. - 2455 Orda, V. V. - 1524 Ordubadi, M. - 1949 Oripov, A. O. - 1852 Orlova, A. N. - 420 Orlova, E. Yu. - 303 Orlova, I. A. - 603 Osadchii, S. A. - 1254 Osipov, O. A. - 778, 1078 Osipova, I. N. - 1894 Osokin, Yu. G. - 2377 Ostashevskaya, L. A. - 2412 Ovsepyan, Zh. A. - 662 Ovsyanik, V. D. - 2221

#### P

Pak, N. E. - 660, 1114, 1691, Panasenko, A. I. - 1514 Pankova, S. S. - 47 Pankratova, K. G. - 429 Pansevich-Kolyada, V. I. - 891, 2573 Pantsurkin, V. I. - 1218 Papazyan, N. A. - 2135, 2562, Parfenov, É. A. - 2568 Parfenova, G. M. - 1985 Parnes, Z. N. - 2145 Pasmurtseva, N. A. - 1600 Passet, B. V. - 679, 1607, 2075 Pasternak, V. I. - 2165 Pavel', G. V. - 714 Pavlenko, N. G. - 413 Pavlov, L. P. - 1604 Pavlova, L. A. - 377, 381, 575, 1087, 1781 Pavlova, L. M. - 38

Pavlova, N. N. - 479 Pavlyuchenko, A. I. - 847, 2423, 2686 Pavskii, V. I. - 1370 Pedan, V. P. - 354 Pek, Yu. G. - 209 Pel'kis, P. S. - 937, 1728, 2002, 2440, 2443 Pepekina, L. V. - 847, 2423 Perekalin, V. V. - 629, 828, 1103, 1425, 2728, 2735 Perveev, F. Ya. - 422, 855, 2139 Pestunovich, V. A. - 520, 1488 Petrash, S. A. - 584 Petrashenko, A. A. - 1047 Petrenko, G. P. - 1540, 2011, 2265 Petrenko, O. N. - 405 Petrov, A. A. - 13, 1142, 1148, 1151, 1372, 2074, 2330, 2530 Petrov, É. S. - 2234 Petrov, K. I. - 2201 Petrov, M. L. - 409, 1142, 1148, 1151 Petrova, T. D. - 1357 Petrovskaya, L. I. - 58 Petrovskii, P. V. - 1408, 2051 Petrushina, T. F. - 2528 Petukhov, V. A. - 1688 Petyunin, P. A. - 1091 Pevzner, M. S. - 1573 Pil'dus, I. É. - 984 Pil'kevich, S. G. - 1643 Pinchuk, A. M. - 1596, 2354 Pisareva, V. S. - 2205 Pishnamazzade, B. F. - 2335 Pis'mennaya, G. I. - 1139, 2330, 2530 Pivnenko, N. S. 1250 Pivnitskii, K. K. - 859, 955, 1477 Platanov, V. E. - 1357, 2733 Platé, A. F. - 294, 1949 Plisov, A. K. - 1161 Podobrazhnykh, S. D. - 1963 Podobuev, G. A. - 350 Podterebkova, A. A. - 2327 Pogosyan, A. A. - 2135 Pogosyan, A. S. - 854 Pokhodenko, V. D. - 333, 337 Pokhodenko, N. I. - 1653 Pokonova, Yu. V. - 699 Polievktov, M. K. - 1480 Polumbrik, O. M. - 1565 Polyakov, V. K. - 2254 Polyakova, A. A. - 98 Polyanskii, N. G. - 208 Polyakova, A. A. - 2111 Pomerantsev, V. I. - 1870

Pomerantseva, É. G. - 256 Pomilenko, P. I. - 1925 Ponomarchuk, M. P. - 2545 Ponomarev, A. M. - 955, 1477 Ponomarev, F. G. - 906, 908 Ponomarev, G. V. - 167 Ponomareva, É. A. - 1565 Ponomareva, S. M. - 1643 Poplavskaya, I. A. - 1504 Poponova, R. V. - 98, 2111 Popov, A. F. - 803, 808, 2250, Popova, É. P. - 520, 1488 Popova, E. V. - 950, 1963 Popova, G. I. - 999 Popova, L. A. - 2618 Popova, N. I. - 2532 Popova, R. S. - 808 Popova, R. Ya. - 216 Porai-Koshits, B. A. - 1246 Porshnev, Yu. N. - 1366 Portnyagin, Yu. M. - 660, 1114, 1691, 1695 Portyanskii, A. E. - 1650 Postovskii, I. Ya. - 204 Posyagin, G. S. - 2592 Potapov, V. M. - 726, 1715 Potashnikova, S. G. - 1611 Potekhin, A. A. - 15, 2182 Poteleshchenko, N. T. - 2505, 2508 Potemkin, G. F. - 1078 Povolotskaya, N. N. - 767 Pozdnev, V. F. - 266, 1101, 1719 Pozdnyakova, T. M. - 966 Pozdnyakovich, Yu. V. - 744, 2081 Prazdnikova, Z. F. - 2127 Predovoditeleva, G. S. - 2526 Preobrazhenskaya, M. N. - 1329, Preobrazhenskii, N. A. - 47, 167, 494, 2175, 2214, 2402 Prib, O. A. - 342 Prikhod'ko, L. V. - 629 Prikule, D. É. - 2537 Prilezhaeva, E. N. - 1394, 2577 Pritykin, L. M. - 1938 Prokhorov, G. M. - 161, 1817 Prokop'ev, B. V. - 1643 Prokopovich, V. P. - 1661, 1891 Proshutinskii, V. I. - 1956, 479 Protashchik, I. V. - 2398 Protopopova, T. V. - 216, 247, 260 Prudchenko, A. T. - 1260 Prudnichenko, E. K. - 2532 Przheval'skii, N. M. - 429

Przhiyalgovskaya, N. M. - 1260, 2499

Puchnova, V. A. - 364

Pulyaeva, V. S. - 1161

Pushkarev, V. P. - 1630, 1634, 1638

Pushkareva, Z. V. - 656

Pustovarov, V. S. - 579, 843

P'yankova, G. V. - 584

Pyatnova, Yu. B. - 51, 55, 2643

#### R

Rachkovskaya, N. V. - 1607 Radchenko, N. F. - 2317 Radchenko, S. I. - 104, 1139, 1151, 1348, 1349 Raevskii, V. G. - 1938 Rafikov, S. R. - 374 Ragulin, L. I. - 720 Rang, S. A. - 98, 2111 Rapkin, A. I. - 241 Rasskazova, Z. N. - 2608 Rasteikene, L. - 1433 Rastorgueva, N. M. - 1704 Razin, V. V. - 857 Razina, R. S. - 1699 Razumovskii, S. D. - 2122 Razuvaev, G. A. - 2581 Reali, M. - 429 Rechkina, A. V. - 923, 2566 Red'kin, Yu. A. - 1663 Repinskaya, I. B. - 2225 Reshetova, L. N. - 2557 Reutov, O. A. - 429, 2092, 2323 Revinskii, I. F. - 1458 Rezvukhin, A. I. - 1117, 1232, 2225 Rodionov, V. Ya. - 142 Rodkin, S. A. - 2361 Rogozina, S. V. - 2730 Romadan, I. A. - 125, 127 Romanikhin, A. M. - 2532 Rostokin, G. A. - 2097 Rotshtein, Ya. I. - 24 Rovinskii, M. S. - 1766 Rozantseva, T. V. - 2647 Rozenberg, S. G. - 247 Rozhkova, L. I. - 80, 2621, 2627 Rozhnov, A. M. - 1370, 2101 Rozhnova, M. V. - 851 Rozynov, B. V. - 164 Rtishchev, N. I. - 1312 Rudakov, G. A. - 1968 Rudnev, G. K. - 2588 Rukhadze, E. G. 136, 2447, 2511 Rumyantseva, A. G. - 759 Rumyantseva, V. D. - 164, 837

Russkikh, S. A. - 2502 Russkikh, V. V. - 367, 2502 Rustamov, F. A. - 2196 Rustamov, M. A. - 2196 Rustamova, S. N. - 778 Ryabekobylko, Yu. S. - 1745 Ryabova, R. S. - 799 Ryaguzov, A. T. - 1028 Rybakova, M. N. - 2366 Rybinskaya, M. I. - 556 Rzhavinskaya, M. B. - 897

#### S

Saakyan, Al'b. A. - 854 Sabirov, S. S. - 1852 Sablin, A. V. - 2066 Sadchenko, L. S. - 157 Sadykh-Zade, S. I. - 1400 Safarov, Yu. D. - 1650 Safronenko, E. D. - 457 Safronova, L. P. - 913 Sagalovich, V. P. - 133 Saidov, O. O. - 2318 Saitkulova, F. G. - 2586 Sakhabutdinov, A. G. - 1213 Salakhov, M. S. - 1448,2634 Salamatina, G. A. - 2608 Salimov, M. A. - 136,778,2511 Samarai, L. I. - 2317 Sambur, V. P. - 2473 Samitov, Yu. Yu. - 584,591,1587 Samokhvalov, G. I. - 1,462,880, Samusenko, Yu. V. - 149 Sarbaev, A. N. - 989 Sarkisyan, K. I. - 628 Savel'eva, L. A. - 1329 Sazanov, Yu. N. - 2387 Sazonov, A. P. - 1412 Sbarskii, V. L. - 303 Sedov, A. M. - 524 Sedova, L. N. - 2651 Seitkasymov, Zh. - 2432 Semerdzhi, L. S. - 584 Senyukov, V. I. - 1925 Serebrennikova, G. A. - 666, 669,973 Sergeev, A. P. - 1100,2073 Sergeeva, V. P. - 696 Sevast'yanova, T. K. - 1752, Sevbo, D. P. - 1991,2248 Shabanov, A. L. - 410,1133, 1136,1418 Shabarov, Yu. S. - 2079, 2104, 2108, 2428,2737

Shafigullin, N. K. - 1124 Shagidullin, R. R. - 1788 Shaikhrazieva, V. Sh. - 1109, 1831,2068,2311 Shamilov, T. O. - 2634 Shamshurin, A. A. - 474,673,1412 Shapiro, A. L. - 632,2544 Shapiro, B. I. - 2463 Shapshin, M. I. - 528 Sharanin, Yu. A. - 803,2250 Sharifkanova, G. N. - 1617 Sharipov, A. Kh. - 2327 Sharipov, B. G. - 2327 Sharnin, G. P. - 528 Sharonov, K. G. - 2101 Shatenshtein, A. I. - 2079, 2234 Shchekotikhin, A. I. - 1881 Shchelkina, E. P. - 2038 Shchelkunov, A. V. - 1958 Shchennikov, V. S. - 1454 Shchukina, L. I. - 1788 Shchukina, M. N. - 2526 Shein, S. M. - 1278,1774,1778 Sheinker, Yu. N. - 1329 Sheinkman, A. K. - 868,1611 Sheinman, A. Yu. - 767 Shenbor, M. I. - 1544,2015 Shergina, N. I. - 1350 Shestakova, S. I. - 734 Shevchenko, S. G. - 1350 Shevchenko, V. V. - 1175 Shevchenko, Z. A. - 1445 Shevchuk, M. I. - 1024,1757 Shevelev, S. A. - 425 Shibaeva, N. V. - 1083 Shikhmamedbekova, A. Z. - 885 Shilov, G. I. - 1702 Shimanskaya, N. P. - 204 Shirokii, G. A. - 177 Shishkin, V. E. - 2534 Shitov, L. N. - 2066 Shivanyuk, A. F. - 1594 Shklyaev, V. S. - 311,1218 Shleider, I. A. - 864,1117 Shodé, L. G. - 2150 Shostakovskii, M. F. - 33,224, 649,913 Shostakovskii, S. M. - 232 Shoak, S. T. - 1024 Shpan'ko, I. V. - 107 Shreibert, A. I. - 984,2533,2534 Shteingarts, V. D. - 744,753,2081 Shternshis, M. V. - 1278,1774, 1778 Shtivel', N. Kh. 269,273 Shubin, V. G. - 2681 Shubnyakov, I. B. - 1392

Shul'chishin, V. A. - 2269 Shumetov, V. G. - 1938 Shusherina, N. P. - 1429,1836, 2519,2716 Shutov, G. M. - 303 Shvaika, O. P. - 2040 Shvekhgeimer, G. A. - 29,823 Shvets, V. F. - 1911,1916,1920 Shvets, V. I. - 494,498,1355,1599, 1707,1830,2175,2729 Sidel'kovskaya, F. P. - 2056 Sidorenko, E. N. - 2499 Sidorova, N. G. - 1075,1466 Sidorova, O. N. - 227 Simanov, N. A. - 637 Simkin, B. Ya. - 2455 Simonov, D. A. - 1741 Sinaiskaya, E. S. - 1346 Sineokov, A. P. - 482,645 Sinyavskii, V. G. - 139 Sitkin, A. I. - 1734 Skalaban, T. D. - 47,2402 Skibarkene, B. P. - 279 Skoldinov, A. P. - 216,247,260 Skrypnik, Yu. G. - 345,856 Skvarchenko, V. R. - 1836, 2019, 2022 Skvortsov, I. M. - 1587 Skvortsov, Yu. M. - 224,662 Skvortsova, L. S. - 2584 Sladkov, A. M. - 1833 Slavyanova, O. V. - 2716 Slobodin, Ya. M. - 506,1202, 1205,1347,1828 Slovetskii, V. I. - 425 Smirnov, S. K. - 703 Smirnov, V. V. - 2313 Smirnova, G. V. 1599,1707 Smirnova, T. S. - 2551 Smolina, Z. I. - 833,1555 Smolova, N. T. - 1028 Smolyan, Z. S. - 1463 Smrchek, V. A. - 1008 Smyslova, N. A. - 2722 Soborovskii, L. Z. - 2305 Sochilin, E. G. - 537,1549, 1552,1799, 2058 Sokolov, N. A. - 1648 Sokolov, S. D. - 1821,1835,2051 Sokolova, T. A. - 1894 Sokolovskaya, N. G. - 24 Sokol'skii, D. V. - 1617,1641, 1825,2127 Sokol'skii, G. A. - 720 Sokolyanskaya, L. V. - 2655

Soldatova, A. F. - 1091

Soloveichik, I. P. - 575

Solov'eva, L. D. - 726,1715 Sopina, V. E. - 1170 Sopova, A. S. - 828 Soroka, I. I. - 2282 Sorokin, M. F. - 2150 Sorokina, V. S. - 377,381 Sosonkin, I. M. - 2322 Sova, V. V. - 1695 Spektor, V. I. - 1412 Speranskii, E. M. - 2735 Spevak, N. V. - 1402 Stanishevskii, L. S. - 73,2712 Starkov, S. P. - 1514 Starostina, A. K. - 498 Starostina, L. N. - 2592 Starostina, T. I. - 491 Startseva, N. V. - 331,544 Stasevich, G. Z. - 2543 Stavrovskaya, A. V. - 260 Stepanets, G. P. - 2435 Stepanov, A. E. - 494,1830 Stepanov, B. I. - 142,517,624, 820,1008,1033,2279 Stepanov, F. N. - 860,1210,1601, 2615,2632 Stepanova, G. P. - 1033 Stepanova, T. F. - 1991,2248 Stepanyants, A. U. - 1429,2519 Stotskaya, N. M. - 2162 Stotskii, A. A. - 2162 Stradyn', Ya. P. - 513 Straukas, I. - 1436 Struchkova, M. I. - 2214 Strukov, O. G. - 703,2066 Studnev, Yu. N. - 239,241,1454 Studzinskii, O. P. - 1312 Subbotin, V. A. - 2322 Sukho, ..., a, E. Yu. - 1961 Sukiasyan, A. N. - 1296 Sulimov, I. G. - 2735 Sultanov, R. A. - 1400 Sumbaev, É. G. - 1653 Suprunova, A. I. - 1656 Surkov, V. D. - 627,1909,2084 Sushchenya, L. M. - 1648 Sushkova, N. V. - 928 Suvorov, N. N. - 603,1329 Svetkin, Yu. V. - 1192,1196, 1339,1341,2528, 2672 Svetlakov, N. V. - 1108,1124, 2304 Svetlova, L. M. - 1623 Svinina, T. A. - 2584 Sviridova, A. V. - 2577 Svirskaya, P. I. - 939 Syrov, A. A. - 1164 Syrvatka, B. G. - 8

Sytin, V. N. - 1458 Syundyukova, V. Kh. - 1817

T

Taikova, N. K. - 256,443 Taksidi, V. Kh. - 2643 Tal'vinskii, E. V. - 2311 Talygina, A. I. - 247 Tanaseichuk, B. S. - 1299,1303, 1307,1558,1561,2470 Tarasenko, A. A. - 1292 Tartakovskii, V. A. - 510,1103 Tatarinova, G. P. - 1442 Temchenko, V. G. - 44 Temkina, V. Ya. - 320 Terent'ev, A. P. - 136,726,2447, 2511 Terent'ev, P. B. - 393,1821,1843 Terent'ev, V. A. - 269,273 Tertov, B. A. - 1083 Tiger, R. P. - 63 Tikhomirova, E. G. - 1821 Tikhomirova, R. G. - 1531 Tikhonov, V. M. - 2015 Tilichenko, M. N. - 710,714 Timofeeva, L. A. - 1741 Tishchenko, I. G. -73,130,1458, 1887,2543,2712 Tishchenkova, I. F. - 866 Tishkov, K. N. - 1630,1638 Titkova, R. M. - 2238 Titov, E. A. - 350 Titov, E. V. - 2651 Titov, V. V. - 1366 Titova, E. I. - 920,928 Titova, L. F. - 2377 Titova, S. P. - 1070,1225,1228 Titskii, G. D. - 107 Tkachenko, V. S. - 902 Tkachenko, V. V. - 2740 Tkhat Ngok Din-1037,1043 Tkhor, T. G. - 828 Tokarev, A. K. - 868 Tolochko, A. F. - 1757 Tolstikov, G. A. - 374,1109,1110, 1831,2068,2311 Tomchin, A. B. - 171,177 Traven', V. F. - 517,1008 Trufanova, O. I. - 419,1997,2480 Trofimov, B. A. - 227, 1350, 1846 Trutanova, N. D. - 1246 Tsareva, L. A. - 482,1943 Tselinskii, I. V. - 1344 Tsereteli, I. Yu. - 506 Tsirul'nikova, N. V. - 320 Tsukerman, S. V. - 2254 Tsukervanik, I. P. - 1501

Tsukshverdt, T. V. - 1202,1205 Tsybin, Yu. S. - 1060 Tsybina, N. M. - 247 Tsyskovskii, V. K. - 503,641 Tulyaganov, S. R. - 781, 1947, 2034,2432 Tung Hai-shan-1421 Turchin, K. F. - 603,1329 Turitsyna, N. F. - 2690 Turkina, M. Ya. - 1597 Turovskii, A. A. - 1172,2601 Tursin, V. M. - 2720 Tutobalina, V. P. - 122 Tutorskaya, O. O. - 1830 Tyukova, O. A. - 1911,1916,1920 Tyurikov, V. A. - 2463 Tyurin, V. D. - 823 Tyuryaev, I. Ya. - 1925

#### U

Udarov, B. G. - 2618 Ufimtsev, V. N. - 1070,1228 U li-hsein, 1688 Ul'yanov, A. A. - 1620,2132 Unkovskii, B. V. - 833,1555, 2697 Uretskaya, G. Ya. - 862 Usachenko, V. G. - 1540,2265 Usenko, Yu. N. - 1728 Ustynyuk, Yu. A. - 423

#### V

Vainberg, A. M. - 1982 Vakorina, T. I. - 1870 Vasil'ev, G. S. - 1394 Vasil'ev, S. V. - 1684 Vasil'eva, L. V. - 1117 Vasil'eva, M. N. - 2154,2358 Vasil'evskaya, G. A. - 1175 Vasilevskaya, T. N. - 1269 Vaskan, R. N. - 676 Vasserman, A. L. - 870 Veber, N. V. - 1466 Vereshchagin, L. I. - 920,923, 928,2566 Vereshchagina, T. M. - 2019 Verkhovod, N. N. - 1510 Verkhovod, V. M. - 1510 Veselov, V. Ya. - 316,794 Vesnovskii, B. P. - 1935 Vid, L. V. - 2062 Viktorova, E. N. - 2544 Vilenskaya, L. N. - 1994 Vinnik, M. I. - 799,847,2423 Vinogradova, A. I. - 389 Vinogradova, N. D. - 1087 Vinogradova, N. P. - 1536

Vinogradova, S. M. - 1821 Vishnevetskii, V. N. - 1961 Vishnevskii. O. V. - 2317 Vizgert, R. V. - 345,856 Vlad. L. A. - 673 Vladimirova, I. L. - 2669 Vlasov, V. M. - 1004,1392,1659, 2234,2320 Vlasova, L. V. - 560,1263 Vlasova, S. L. - 1303 Vlasova, T. F. - 862 Vodop'yanov, V. G. - 2186,2296, 2300 Voinova, V. K. - 119 Voishcheva, O. V. - 119 Volkov, A. N. - 224,232,662 Volkov, R. N. - 417,999,1060, 1602 Volkova, L. M. - 1508 Volkova, V. A. - 2259 Volodarskii, I. L. - 1037,1043 Volodarskii, L. B. - 1752,2046 Volodkovich, S. D. - 734 Volynskaya, V. N. - 1599 Vompe, A. F. - 2690 Vorob'ev, L. N. -699,1372 Voronenkov, V. V. - 1832 Voronina, O. M. - 1994 Voronkov, M. G. - 520,1488, Voronov, V. K. - 649,1613,2655 Vorontsova, L. A. - 2596 Voskayan, É. S. - 1128 Voznesenskaya, N. N. - 1534 Vsevolozhskaya, N. B. - 939 Vtorov, I. B. - 666,669 Vul'fson, A. N. - 833 Vysotskii, V. I. - 1568 V'yunov, K. A. - 1552,1799, 2058

# Y

Yablonskii, O. P. - 637 Yagodin, V. G. - 1491,1496 Yagupol'skii, L. M. - 737,784, 789,1016,1521,1524,1704,1976, 2077,2243,2473,2651 Yakimovich, S. I. - 1221, 2139, 2535,2727 Yakobson, G. G. - 560,753,1004, 1263,1357,2081,2234,2320, 2733 Yakovleva, E. A. - 2079,2428 Yakovleva, O. P. - 599 Yakubov, A. P. - 532 Yakubovich, A. Ya. - 2073,2361, 2647 Yanchuk, V. A. - 1060,1602 Yangurazov, A. Kh. - 374 Yares'ko, N. S. - 1260 Yarish, M. E. - 1051 Yarovykh, K. V. - 1382 Yartseva, N. M. - 1612 Yartseva, S. V. - 1299,1558 Yashunskii, V. G. - 861 Yasinskii, I. M. - 342 Yastrebov, V. V. - 2201 Yudasina, A. G. - 897 Yudin, L. G. - 847,2423,2686 Yudintseva, I. M. - 1835, 2051 Yukhno, G. F. - 551 Yul'chevskaya, S. D. - 1400 Yuldasheva, L. K. - 405 Yurchenko, A. G. - 416,2615, 2632,2731 Yurchenko, O. i. - 828 Yurchenko, R. I. - 1047 Yur'ev, Yu. N. - 641,1164 Yurevich, V. P. - 567 Yurkevich, A. M. - 2568 Yurkina, O. T. - 1166 Yushchenko, T. M. - 1208 Yusupov, A. - 1021

## Z

Zabegailo, S. V. - 2313 Zaburdyaeva, S. N. - 2581 Zaichenko, Yu. A. - 2557 Zaika, E. I. - 1565 Zaikov, G. E. - 2122 Zaitsev, B. E. - 1065 Zaitseva, E. L. - 2647 Zakharkin, L. I. - 436,2610 Zakharov, P. I. - 386 Zakharova, L. M. - 1684 Zakharova, N. A. - 2069 Zakharova, P. I. - 1166 Zakoshanskii, V. M. - 1623 Zamulina, L. I. - 794 Zefirov, N. S. - 510,599,962, 966,2730,2742 Zeinalova, G. A. - 30,469,472, 1518 Zelenin, K. N. - 1402 Zelenina, N. S. - 1956 Zelikman, E. S. - 641,1164 Zelikman, Z. I. - 579 Zen'ko, R. I. - 2618 Zgonink, V. N. - 1829 Zhdamarov, O. S. - 1065 Zhadanov, B. V. - 320 Zhdanova, T. A. - 2535 Zhelamskaya, L. A. - 2643 Zheltov, A. Ya. - 142

Zherebin, Yu. L. - 1723 Zhidomirov, G. M. - 2025 Zhilin, V. F. - 303 Zhivechkova, L. A. - 2470 Zhmurova, I. N. - 1047 Zhukova, E. N. - 171 Zhurba, V. F. - 2562 Zil'berman, E. N. - 256,443 Zimin, V. I. - 239,241 Zobacheva, M. M. - 1609 Zorina, É. F. - 221,1613,2306 Zosim, L. A. - 2615,2632 Zubritskii, L. M. - 244 Zvonkova, E. N. - 47,1849,2214, 2402,2404



# JOURNAL OF ORGANIC CHEMISTRY

Volume 7, Numbers 1-12, 1971

(A translation of Zhurnal Organicheskoi Khimii)

# Volume 7, Number 1 January, 1971

	Engl.	/Russ.
The Stereochemistry of Free-Radical Reactions. I. The Stereochemistry of the		
Radical Addition of Trichlorobromomethane and Carbon Tetrachloride to		
Isoprene - I. B. Afanas'ev, I. V. Mamontova, T. M. Filippova, and		
G. I. Samokhvalov	1	3
A. L. Bel'ferman, M. M. Gil'burd, and F. B. Moin	8	9
I. A. Maretina, and A. A. Petrov	13	14
2-(N-Methylhydrazino)-, and 2-(N-Ethylhydrazino)ethanols - A. A. Potekhin Distribution of Isomers in the Chlorination of Chloropropanes. IV. Chlorination of	15	16
Tetrachloropropanes - Ya. I. Rotshtein and N. G. Sokolovskaya	24	26
4-Dialkylamino-3-alkyl-1,2-butadienes by Reaction of the Grignard Reagent with 4-Dialkylamino-1-alkoxy-2-butynes - G. M. Mkryan, S. M. Gasparyan, and		
N. K. Melkonyan	26	27
- G. A. Shvekhgeimer and G. A. Mikheichev	29	30
L. M. Gyul'akhmedov, A. B. Kuliev, and G. A. Zeinalova	30	31
- M. F. Shostakovskii, T. A. Favorskaya, A. S. Medvedeva, and G. G. Chichkareva Kinetics of the Formation of Oximes from Symmetrical α-Diketones - L. P. Ivanova	33	33
and V. A. Komarov	36	36
- I. L. Kuranova and L. M. Pavlova	38	38
Perfluoro (ethylmethylene) imine - D. D. Moldavskii, V. G. Temchenko,		
and G. L. Antipenko	44	44
N <sup>E</sup> -Benzyloxycarbonyl-L-lysine - T. D. Skalaban, I. M. Nazimov, S. S. Pankova,	47	47
E. N. Zvonkova, R. P. Evstigneeva, and N. A. Preobrazhenskii	47	47
R. P. Evstigneeva	51	51
L. L. Ivanov, Yu. B. Pyatnova, and R. P. Evstigneeva	55	55
γ-Mercurated Acetoacetic Ester - M. A. Kazankova, L. I. Petrovskava, and I. F. Lutsenko	58	58

	Engl./	Russ.
Isotope Exchange of Oxygen During the Hydrolysis of Methyl Isocyanate and the		
Urethane Formation Mechanism - R. P. Tiger, I. V. Kumpanenko, and S. G. Éntelis.  Kinetic Investigation of the Addition of Thiourea to Methyl Propiolate - A. I. Konovalov,	63	63
L. K. Konovalova, and E. G. Kataev	69	69
α, β-Epoxy Ketones – L. S. Stanishevskii, I. G. Tishchenko, and A. Ya. Guzikov Thermal Decomposition of Some Bis(acyloxyethyl) Peroxydicarbonates in Organic	73	73
Solvents - V. A. Fomin, V. R. Likhterov, and V. S. Étlis	76	76
L. I. Rozhkova, V. N. Gramenitskaya, and V. M. Andreev	80	80
- G. P. Kugatova-Shemyakina and V. B. Berzin	85	85
S. G. Kuznetsov	89	89
L. A. Kheifits	94	94
R. V. Poponova, S. A. Rang, and O. I. Éizen	98	98
L. N. Cherkasov, B. S. Kupin, and A. N. Krivosheya	104	104
G. D. Titskii, and I. V. Shpan'ko	107	107
Triphenylmethane – M. M. Kremlev and S. A. Boiko	114	115
- Sh. T. Akhmedov, M. A. Akhundova, and R. K. Alekperov	117	118
Vinylation of Bisphenols – B. I. Mikhant'ev, V. K. Voinova, and O. V. Voishcheva Synthesis of Thio Ethers in the Presence of Cation-Exchange Resin Ku-2 – E. G. Kataev,	119	120
F. G. Gabdrakhmanov, and V. P. Tutubalina	122	122
N. D. Gusarova	125	125
- T. A. Chernyavskaya, I. P. Davidson, I. A. Romadan, and G. G. Cherevatova Autooxidation of o- and p-Allylanisoles - A. I. Chirko, I. G. Tishchenko, and	127	127
V. V. Filitovich	130	130
- V. V. Kozlov, V. P. Sagalovich, and Yu. M. Kulikov	133	133
M. A. Salimov, and A. P. Terent'ev.	136	137
1-Vinyl-2,4-diisocyanatobenzene - V. G. Sinyavskii and R. A. Kornienko Investigations into the Series of Aromatic Disulfides. II. IR Spectra of Linear and Cyclic Aromatic Disulfides - T. A. Chibisova, A. Ya. Zheltov, V. Ya. Rodionov,	139	139
and B. I. Stepanov	142	143
Dihalogen Derivatives of Naphthostyryl - A. P. Karishin and Yu. V. Samusenko	149	150
$\alpha$ -(N-Sulfoacylamino)anthraquinones – L. S. Sadchenko and V. I. Gudzenko	157	158

	Engl.	Huss
Reactions of 3-Methyl- and 2-Chloro-3-methylbenzo[b]thiophene 1,1-Dioxides with Nucleophilic Reagents - V. I. Dronov, G. M. Prokhorov, and V. S. Fal'ko	161	162
V. D. Rumyantseva, B. V. Rozynov, and R. P. Evstigneeva	164	165
R. P. Evstigneeva, and N. A. Preobrazhenskii	167	169
E. N. Zhukova	171	173
A. B. Tomchin, and G. A. Shirokii	177	179
and Chlorocarbonic Esters - Yu. N. Forostyan and E. I. Efimova	182	184
Polynuclear Azaaromatic Compounds. I - S. V. Nekrasov and A. V. El'tsov Remercaptation of 2-Alkylthiopyrimidines - G. M. Kheifets, N. V. Khromov-Borisov,	186	188
and L. A. Gavrilova	196	199
I. Ya. Postovskii	204	208
LETTERS TO THE EDITOR		
Nature of the Products from the Catalytic Dehydration of Propyleneglycol  - D. A. Chernysheva and N. G. Polyanskii	208	212
Volume 7, Number 2 February, 1971		
Geometrical Isomerism of $\pi$ -Allyl Complexes of Palladous Chloride and Dienes		
- O. G. Levanda, G. Yu. Pek, and I. I. Moiseev	209	217
-R. Ya. Popova, T. V. Protopopova, and A. P. Skoldinov	216	224
É. P. Zorina, and A. N. Mirskova	221	229
<ul> <li>Yu. M. Skvortsov, A. N. Volkov, E. B. Oleinikova, and M.F. Shostakovskii.</li> <li>Alkoxyallenes. I. Prototropic Isomerization of Alkyl- and Vinylpropargyl</li> <li>Diethers of Glycols - A. S. Atavin, V. I. Lavrov, O. N. Sidorova,</li> </ul>	224	232
and B. A. Trofimov	227	235
and A. N. Volkov	232	240
-M. S. Malinovskii, V. I. Avramenko, and V. G. Dryuk	236	244
Difluoroamination - A. V. Fokin, V. I. Zimin, Yu. N. Studnev,		
and L. D. Kuznetsova	239	247
Reagents - A. V. Fokin, V. I. Zimin, Yu. N. Studnev, and A. I. Rapkin  Metallation of 1-Phenylprop-1-yne - G. I. Pis'mennaya, L. M. Zubritskii,	241	249
and Kh. V. Bal'yan  Tautomeric Properties of 3-Formylpropionic Acid - N. M. Tsybina,	244	251
T. V. Protopopova, S. G. Rozenberg, A. I. Talvgina, and A. P. Skoldinov	247	253

	Engl	./Russ
Synthesis of Esters of Alkylhydrazino Carboxylic Acids - G. S. Gol'din,		
K. O. Averbakh, and M. A. Novak	252	258
Reaction of Esters of Aliphatic Acids with Aluminum Chloride - E. N. Zil'berman, A. E. Kulikova, N. K. Taikova, and		
É. G. Pomerantseva	256	262
- A. V. Stavrovskaya, T. V. Protopopova, and A. P. Skoldinov Preparation and Hydrazinolysis of Alkyl tert-Butyl Carbonates	260	267
- V. F. Pozdnev and E. S. Chaman	266	273
V. A. Terent'ev, and N. Kh. Shtivel'  Thermal Isomerization of the Anhydride of 1-Acetyl-4-methylcyclohex-2- ene-5,6-dicarboxylic Acid - V. S. Markevich, A. P. Gryaznov,	269	276
V. A. Terent'ev, and N. Kh. Shtivel'  Substituted Lactones and Their Conversions. XVIII. Formation of a Mixture of Isomeric Lactones in the Condensation of Butyrolactone with Cyclohexanone	273	280
- V. M. Dashunin and G. D. Kayukova	276	283
Electrophiles - P. A. Kaikaris and B. P. Skibarkene	279	287
X. Synthesis of tert-Butyl-Substituted Cyclohexenecarboxylic Acids  - G. P. Kugatova-Shemyakina and V. B. Berzin	283	290
XII. Synthesis and Chemical Properties of 6-Bromo-4-tert- butylcyclohexene - G. P. Kugatova-Shemyakina and V. B. Berzin	289	297
Synthesis and Dehydration of Bicyclo[3,2,1]octan-6-ol - I. I. Khochenko, L. S. Nesterova, A. F. Platé, and E. M. Mil'vitskaya	294	302
Influence of Diarylamines on the Oxidation of Isopropylbenzene - R. M. Basaev, L. V. Koshkin, N. N. Basaeva, L. I. Mineeva, and Yu. S. Musabekov	300	307
Nucleophilic Substitution of Halogen in Aromatic Nitro Compounds.  IV. Dimethylformamide-Catalyzed Substitution of Halogen		
-V. L. Sbarskii, G. M. Shutov, V. F. Zhilin, R. G. Chirkova, and E. Yu. Orlova. Kinetics of the Hydrogenation of Acetophenone on Nickel, Platinum, and Palladium in	303	310
a Solvent - D. V. Mushenko, N. S. Barinov, and É. G. Lebedeva	308	314
Diarylglycolic Acids - V. S. Shklyaev and Yu. S. Chekryshkin Structure and Reactivity of Hydrazine Derivatives. XXV. Kinetics of the Acylation Reactions of para- and meta-Substituted Benzhydrazides with Ethyl and Phenyl	311	317
Chloroformates in Benzene - A. P. Grekov and V. Ya. Veselov	316	323
- N. V. Tsirul'nikova, N. A. Kostromina, B. V. Zhadanov, and V. Ya. Temkina. Study of the Mechanism of the Rearrangement on N-Phenylhydroxylamine into	320	327
p-Aminophenol - I. I. Kukhtenko	324	330
-I. I. Kukhtenko	327	333
B. I. Ionin, and N. G. Chebotova	331	337
A. E. Grinberg, and V. D. Pokhodenko	333	339

	Engl.	/Russ.
EPR Spectra and Behavior of Sulfur-Containing Phenoxyl Radicals - V. A. Khizhnyi, A. E. Grinberg, Ya. A. Gurvich, and V. D. Pokhodenko Reaction of Acetol Esters of Arenesulfonic Acids with Substituted Phenols - O. A. Prib	337	343
and I. M. Yasinskii	342	348
Yu. G. Skrypnik  4-(Arenesulfonylimino)-2-(hydroxyaryl)cyclohexa-1,5-dien-1-ones - E.A. Titov and	345	350
G. A. Podobuev  N-(Arenesulfonyl)benzimidoyl Chlorides. V. Reaction with Aromatic Amines.  Investigation of the Synthesis of N <sup>2</sup> -Arenesulfonyl-N <sup>1</sup> -Arylbenzamidines, Their Hydrolysis, and Some of Their Properties - V. L. Dubina,	350	355
S. I. Burmistrov, and V. P. Pedan	354	358
and D. A. Danileiko	358	363
S. S. Gitis, V. F. Andrianov, A. Ya. Kaminskii, and Z. A. Lerman	361	365
and E. A. Luk'yanets	364	369
Hydroxyanthraquinones - V. V. Russkikh and E. P. Fokin	367	371
A. R. Kuzyev, A. Kh. Yangurazov, G. A. Tolstikov, and S. R. Rafikov	374	377
Influence of ortho Substituents on the Properties of Hydroxyphthalans.  II - V. S. Sorokina and L. A. Pavlova	377	380
Influence of ortho Substituents on the Properties of Hydroxyphthalans.  III - V. S. Sorokina and L. A. Pavlova	381	383
Synthesis and Some Reactions of 1-Chloromethyl-2-oxo-trans-4,5- trimethylenepiperidine - N. G. Chernova and A. Ya. Berlin	383	385
Mass Spectrometric Study of Some Coumarin Derivatives - P. I. Zakharov Mass Spectra and Structure of Methyl-Substituted Piperidines	386	388
-R. A. Khmel'nitskii, N. A. Klyuev, S. B. Nikitina, and A. I. Vinogradova Mass Spectra and Structure of Bipyridyls -R. A. Khamel'nitskii, N. A. Klyuev,	389	391
and P. B. Terent'ev	393	395
L. M. Kryukova	398	400
-I. N. Azerbaev, P. S. Ibranov, and Sh. E. Ismailova	402	404
A. V. Bogatskii, R. A. Arshinova, O. N. Petrenko, and S. P. Egorova  LETTERS TO THE EDITOR	405	407
Prototropic Isomerization in the Preparation of Amides of Vinylthioacetic Acid		
- M. L. Petrov and B. S. Kupin	409	411
A. L. Shabanov, S. M. Movsumzade, and P. A. Gurbanov	410	412
-I. K. Korobitsyna and V. A. Nikolaev	411	413
Dicyanoketene Bromoimine - V. P. Kuchar', N. G. Pavlenko, and A. V. Kirsanov Study of the Reaction of Dichlorocarbene with trans-1-Phenylocta-1,3,5,7-tetraene	413	414
-R. R. Kostikov, A. P. Molchanov, and I. A. D'yakonov	414	415
S. S. Novikov, A. G. Yurchenko, and G. I. Danilenko	416	416

	Engl./Russ	
Court of 1 4 Direct bulk to a data Determination of the Thomas description		
Synthesis of 1,4-Dimethyltetralin and the Determination of the Thermodynamic  Stability of Its Spatial Isomers - R. N. Volkov and T. A. Fedorova	417	416
Reversible Rearrangement of Organolithium Compounds of Aryl Mesityl Sulfones -V. N. Drozd and O. I. Trifonova	419	417
Cleavage of a Carbon-Carbon Bond in Catalytic Hydrogenation - G. V. Nekrasova and A. N. Orlova	420	418
Use of Acetals in the Synthesis of Pyrylium Salts - G. N. Dorofeenko		
and S. M. Luk'yanov	421	419
and I. I. Afonina  Electrophilic Substitution in 4-Phenyl-4H-cyclopenta[c]cinnoline	422	420
-I. V. Barinov and Yu. A. Ustynyuk	423	420
S. A. Shevelev, and V. I. Erashko	425	422
and R. R. Bekmukhametov	427	423
Volume 7, Number 3 March, 1971		
Isomerization during the Solvolysis of Methyl-Substituted Cycloheptyl and Cyclopentyl p-Toluenesulfonates Labeled with Hydrogen Isotopes - Yu. G. Bundel', K. G. Pankratova, M. Reali, N. M. Przheval'skii,		
and O. A. Reutov	429	425
- L. A. Fedorov, V. N. Kalinin, K. G. Gasanov, and L. I. Zakharkin Thermal Decomposition of Some Chloropropanes - A. E. Kulikova, E. N. Zil'berman,	436	432
and N. K. Taikova	443	439
Conjugated Halogenation of Unsaturated Compounds. II. Chlorofluorination and Chloromethoxylation of Allyl Halides — L. S. Boguslavskaya and		
A. B. Bulovyatova	447	443
É. E. Kaplanyan, and A. V. Arutyunyan	452	448
Substituents - I. B. Afanas'ev and E. D. Safronenko	457	453
Chloromethanes - I. B. Afanas'ev, I. V. Mamontova, and G. I. Samokhvalov  Condensation of Isobutylmagnesium Chloride and Bromide with Butyl Glyoxylate	462	457
- L. N. Akimova	468	464
G. A. Zeinalova, A. B. Kuliev, T. Z. Nurieva, and F. G. Damirova Synthesis of Alkoxycarbonylmethyl $\alpha$ , $\beta$ -Dimethoxycarbonylethyl Sulfides	469	465
- G. A. Zeinalova, Sh. S. Kuliev, and N. S. Kyazimova	472	467
A. A. Shamshurin  Investigations into Amines and Ammonium Compounds. LXXIX. Cyclization Reaction	474	468
- A. T. Babayan, É. O. Chukhadzhyan, Él. O. Chukhadzhyan	476	470

and N. G. Chebotova.....

537

544

	Engl./	Huss
Investigation of the Products from the Disproportionation of Potassium Benzoate		
to Dipotassium Terephthalate - G. F. Yukhno and A. Z. Bikkulov	551	545
- A. N. Nesmeyanov, M. I. Rybinskaya, and L. M. Korneva	556	550
Octafluoronaphthalene - L. S. Kobrina, L. V. Vlasova, and G. G. Yakobson Investigations into the Series of Aryl Allyl Sulfones. VII. Reactions of Aryl Allyl Sulfones and Their Dibromides with Certain Nucleophilic Reagents	560	555
- V. N. Mikhailova, V. P. Yurevich, and A. D. Bulat	567	562
- A. G. Makhsumov and T. Yu. Nasriddinov	573	568
3,3-Dimethyl-1-p-bromophenylethynyl-1-hydroxyphthalan. Synthesis and Certain Reactions — I. P. Soloveichik, T. G. Melent'eva, and L. A. Pavlova Kinetics and Mechanism of Acetal Formation in 5-Substituted Furfural Derivatives	575	569
<ul> <li>V. G. Kul'nevich, Z. I. Zelikman, and V. S. Pustovarov</li> <li>Stereochemistry of Heterocyclic Compounds. VIII. Synthesis and Properties of Some Stereoisomeric 2,3-Dialkyloxetanes and 2,3-Dialkyl-3-α-methoxyethyloxetanes</li> <li>A. V. Bogatskii, G. A. Filip, S. A. Petrash, L. S. Semerdzhi, Yu. Yu. Samitov,</li> </ul>	579	573
and G. V. P'yankova	584	577
A. V. Bogatskii, and G. A. Filip	591	585
I. V. Kazimirchik, and O. P. Yakovleva	599	594
- I. A. Orlova, K. F. Turchin, and N. N. Suvorov	603	598
S. I. Burmistrov, D. A. Danileiko, V. A. Doroshenko, and I. M. Gella Rearrangement of $\alpha$ -Benzoylthiophane with Ring Enlargement during Reduction by	607	602
the Clemmensen Reaction - Nik. A. Nesmeyanov and V. A. Kalyavin Synthesis of the Carbazole Analogs of the Chalcones - V. F. Belyaev,	612	608
V. I. Grushevich, and A. I. Abrazhevich	614	610
V. I. Kleimenova	618	613
S. E. Kondrat'eva	621	616
- G. K. Gryzlova and B. I. Stepanov.	624	619
LETTERS TO THE EDITOR  Disproportionation of 1-Chloro-3-bromopropane to 1,3-Dichloropropanes and  1,3-Dibromopropanes in Aprotic Solvents - V. D. Surkov, F. M. Mukhametshin,		
and A. L. Fridman	627	621
K. L. Sarkisyan, and A. A. Gevorkyan	628	622
É. S. Lipina, and V. V. Perekalin	629	622
V. A. Matveev, and T. A. Danilova	631 632	623 $624$

# Volume 7, Number 4 April, 1971

Study of the Thermal Decomposition of But-1-ene 3-Hydroperoxide		
- B. I. Chernyak, B. I. Koshovskii, and V. G. Borovaya	633	625
Products of the Low-Temperature Oxidation of 2-Methylpent-2-ene		
- S. I. Kryukov, O. P. Yablonskii, and N. A. Simanov	637	629
Ozonolysis of Olefins in the Presence of Aliphatic Alcohols and Acids		
- E. S. Zelikman, Yu. N. Yure'v, L. V. Berezova, and		
V. K. Tsyskovskii	641	633
Conjugated Halogenation of Unsaturated Compounds. III. Synthesis Based on the		
Products of Conjugated Halogenation - L. S. Boguslavskaya,		
A. B. Bulovyatova, A. P. Sineokov, and V. S. Étlis	645	637
Anionotropic Isomerization of Secondary-Tertiary Acetylenic γ-Glycols	0.10	
of the Aliphatic-Aromatic Series - A. S. Medvedeva, N. F. Shostakovskii,		
G. G. Chichkareva, T. A. Favorskaya, and V. K. Voronov	649	641
Synthesis and Study of Compounds with Potential Biological Activity.	010	041
V. Dialkylamino Derivatives of Glutamic Acid - L.V. Alekseeva, N. L. Burde,		
and G. V. Bilim	653	645
Synthesis and Study of Compounds with Potential Biological Activity.	000	040
VI. 4-Di(2-chloroethyl)amino-D,L-glutamic Acid - L. V. Alekseeva, N. L. Burde,		
and Z. V. Pushkareva	CEC	647
Study of the Transformations of $\beta$ -Glycols of the Acetylene Series.	656	041
VII. Halogenohydrins of Acetylenic β-Glycols in Substitution Reactions	660	651
- Yu. M. Portnyagin and N. E. Pak	000	651
Study in the Field of Diacetylene Derivatives. XXI. Reactions of Aryldiacetylenes	cco	CES
with Glycols - A. N. Volkov, Yu. M. Skvortsov, and Zh. A. Ovsepyan	662	653
Investigations in the Lipid Field. Stereochemical Transformations of Optically Active		
1-O-(Alk-1-enyl)glycidols and the Synthesis of cis-1-O-(Octadec-1-enyl)-sn-	000	055
glycidol - I. B. Vtorov, G. A. Serebrennikova, and R. P. Evstigneeva	666	657
Investigations in the Lipid Field. Study of the Stereochemistry of the Opening of the		
Oxide Rings of the Enantiomeric 1-O-(Alk-1-enyl)glycidols by Higher Fatty Acid		
Chlorides - I. B. Vtorov, G. A. Serebrennikova, and R. P. Evstigneeva	669	660
Keto Aldehydes. X. Synthesis and Hydrolysis of Secondary δ-Hydroxy Acetals		
- L. A. Vlad, B. G. Kovalev, and A. A. Shamshurin	673	664
Substituted Acetals in Organic Synthesis. A New Synthesis of trans-9-Oxodec-2-		
enoic Acid ("Queen Substance") and trans-9-Hydroxydec-2-enoic Acid		
- B. G. Kovalev, R. N. Vaskan, and E. S. Lavrinenko	676	667
Chemistry of Imidic Esters and Amidines. VI. Reactions of Amidines with Derivatives		
of $\alpha$ , $\beta$ -Unsaturated Acids – A Possible Route to the Synthesis of $\beta$ -Amidino		
Acids - E. I. Boksiner, A. A. Golubyatnikova, and B. V. Passet	679	671
Haloperacetic Acids - M. S. Malinovskii, V. G. Dryuk, and A. F. Kurochkin	682	673
Investigation of the Reactions of Free Alkyl Radicals in the Liquid Phase		
by the Method of Competing Addition. VII. Reactions of the sec-Octyl Radical		
with Bromine-Containing Compounds - I. B. Afanas'ev and I. V. Mamontova	687	678
Investigation of the Reactions of Free Alkyl Radicals in the Liquid Phase by the Method		
of Competing Addition. VIII. Reactions of the sec-Octyl Radical with Acetone,		
Toluene, and Anisole - I. B. Afanas'ev and I. V. Mamontova	691	682
Decomposition of tert-Butylperoxy Dibutyl Phosphate and tert-Butylperoxy		
Ethyl Phenylphosphonate in n-Nonane - V. P. Maslennikov and V. P. Sergeeva	696	686
Kinetics of the Reaction of α-Chloro Ethers with Benzidine - L. N. Vorob'ev		
and Yu. V. Pokonova	699	689
<sup>15</sup> N-Substituted Amides and Nitriles. VI. Synthesis and IR Spectra of		
<sup>15</sup> N-Substituted Adipamide and Adiponitrile - O. G. Strukov, S. K. Smirnov,		
S. S. Dubov, and L. L. Danilina	703	693

	Engl./	Huss
Transhetarylation Reaction - A. K. Sheinkman and A. K. Tokarev Formylation of Aromatic Compounds with Dioxolanium Salts - G. N. Dorofeenko,	868	855
L. V. Mezheritskaya, and A. L. Vasserman	870	856
Volume 7, Number 5 May, 1971		
Transmission of Polar Effects through the Triple Bond - R.I. Kruglikova		
and G. R. Kalinina	871	857
Bromide by Electron-Donating Solvents - A. P. Batalov	875	861
T. M. Filippova, and G. I. Samokhvalov	880	866
and I. G. Ismailzade	885	870
<ul> <li>V. I. Pansevich-Kolyada, É. F. Marchik, B. I. Ionin, and G.S. Bychkova</li> <li>Radiolysis and Photolysis of Chloro- and Trichloromethyloxiranes in the Liquid Phase - A. P. Meleshevich, T.S. Antonovskaya,</li> </ul>	891	875
S. A. Gabsatarova, M. B. Rzhavinskaya, M. S. Dyaminov, M. S. Malinovskii, A. G. Yudasina, and L. N. Kuznetsova	897	882
V. I. Avramenko, V. G. Dryuk, and V. S. Tkachenko	902	886
and N. N. Chernousova	906	890
XXXII. Free-Radical Addition of 2,2-Pentamethylene-4-alkoxymethyl- 1,3-dioxolanes to 1-Nonene - F. G. Ponomarev and N. N. Chernousova  Effect of the Degree of Unsaturation on the Basicity of Amines - R.I. Kruglikova	908	892
and G. R. Kalinina	910	894
and L. P. Safronova	913	897
of Acetylene - G. A. Chukhadzhyan, Zh. I. Abramyan, and M. A. Manukyan Catalytic Addition of Alcohols to Dibenzoylacetylene - L.I. Vereshchagin,	916	900
E. I. Titova, T. V. Lipovich, and L. D. Gavrilov	920	903
- L. I. Vereshchagin, L. P. Kirillova, A. V. Rechkina, and N. M. Kuimova Unsaturated Carbonyl-Containing Compounds. III. Reduction of	923	907
Dibenzoylacetylene with Lithium Aluminum Hydride - L.I. Vereshchagin, E. I. Titova, N. V. Sushkova, and L. D. Gavrilov	928	912
and P. R. Nichikova	933	917
P. S. Pel'kis	937	920

Herbicidal Derivatives of Hydroxylamine. XXXIX. N-Carbamyl-N-arylhydroxylamines and Their Reactions - N. B. Vsevolozhskaya, P. I. Svirskaya,		
and Yu. A. Baskakov	939	923
- A. G. Ismailov, Sh. A. Musaev, and G. M. Bairamov	945	929
- G. S. Grinenko, E. V. Popova, and V. I. Maksimov	950	935
A. M. Ponomarev, and K. K. Pivnitskii	955	940
Halides - N. S. Zefirov and F. A. Abdulvaleeva	962	947
to Thionylanilines - N. S. Zefirov and T. M. Pozdnyakova	966	951
- M. A. Mardanov, V. M. Akhmedov, and F. R. Alieva	969	953
- G. N. Fedorova, G. A. Serebrennikova, A. G. Efimova, and R. P. Evstigneeva	973	957
Investigation of Unsaturated Lactones. II. Synthesis of Unsaturated $\gamma$ -Lactones by the Condensation of $\alpha$ -Keto Alcohols with Acetoacetic and	310	301
Cyanoacetic Esters - A. A. Avetisyan, Ts. A. Mangasaryan, G.S. Melikyan,		
M. T. Dangyan, and S. G. Matsoyan	978	962
2-Acetyl-2-buten-4-olides by the Reaction of Tertiary α-Keto Alcohols with		
Diketene - A. A. Avetisyan, Ts. A. Mangasaryan, M.T. Dangyan, and	001	004
S. G. Matsoyan	981	964
- A. I. Shreibert, A. P. Khardin, I. É. Pil'dus, and V. I. Ermarchenko	984	967
Thermography of Urea and Its Pyrolysis Products - A.G. Koryakin, V.A. Gal'perin,		
A. N. Sarbaev, and A. I. Finkel'shtein	989	972
- Yu. Degutis and G. Medekshene	995	978
of Certain Alkyl Aromatic Hydrocarbons - R. N. Volkov and G. I. Popova Aromatic Fluorine Derivatives. XLIII. Equilibrium Acidity of the	999	981
Pentafluorophenyl Derivatives of Methane - V. M. Vlasov, E.D. Krivousova,	1004	000
and G. G. Yakobson	1004	986
- V. A. Smrchek, V. F. Traven', and B. I. Stepanov	1008	990
Their Condensation with Formaldehyde — A. M. Kuliev, B. M. Mirzoev, Nguyen Kho, and V. M. Farzaliev	1011	992
Aryl Trifluoromethanesulfonates - L. M. Yagupol'skii and V. P. Nazaretyan	1016	996
Benzylation of Resorcinol and Its Methyl Ethers - A. Yusupov and A. R. Abdurasuleva	1021	1001
<ul> <li>ω-Halogeno-ω-isonitrosoacetophenones and Their Conversion to Aroyl Cyanides</li> <li>by Reaction with Triphenylphosphine - M. I. Shevchuk, S. T. Shpak,</li> </ul>	1021	1001
and A. V. Dombrovskii	1024	1004
in Nonaqueous Solutions - A. P. Kreshkov, I. Ya. Guretskii, N. T. Smolova,	1000	1000
and A. T. Ryaguzov  Intermediate Products in the Vilsmeier-Haack Reaction  Havaehloreevaletziphesphagetzione As Condensing Agent	1028	1008
Hexachlorocyclotriphosphazatriene As Condensing Agent - G. P. Stepanova and B. I. Stepanov	1033	1013

Spectroscopic Investigations of Substituted Diazonaphthols and the Determination of Their Ionization Constants - L. A. Kazitsyna, Tkhat Ngok Din,		
and I. L. Volodarskii	1037	1017
Tkhat Ngok Din, and L. A. Kazitsyna	1043	1024
R. I. Yurchenko, V. P. Kukhar', A. A. Petrashenko, and A. V. Kirsanov Investigation in the Field of 1,4-Naphthoquinone. IV. Synthesis and Structure of Some Heterocyclic Derivatives of 1,4-Naphthoquinone - V.T. Kolesnikov,	1047	1027
B. G. Boldyrev, and M. E. Yarish	1051	1031
and A. Ya. Kaminskii	1058	1038
- R. N. Volkov, Yu. S. Tsybin, and V. A. Yanchuk	1060	1040
B. E. Zaitsev, and L. A. Chetkina	1065	1044
- S. P. Titova and V. N. Ufimtsev	1070	1050
N. G. Sidorova	1075	1054
Yu. V. Kolodyazhnyi, G. F. Potemkin, Z. N. Nazarova, and O. A. Osipov  Synthesis and Reactions of Organolithium and Organocadmium Compounds  with Furfural Acetals - B. A. Tertov, Z. N. Nazarova, Yu. A. Gabaraeva,	1078	1057
and N. V. Shibaeva	1083	1062
and L. A. Pavlova	1087	1065
and A. F. Soldatova	1091	1069
L. M. Kryukova, and G. N. Andrianova	1097	1076
2,2,2,-Trifluoroethyl Carbylamine - A. P. Sergeev and M. A. Énglin	1100	1078
- V. F. Pozdnev	1101	1078
Medium - A. L. Fridman and G. S. Ismagilova	1102	1079
V. A. Buevich, K. V. Altukhov, and V. V. Perekalin	1103	1080
I. N. Aizenshtadt, and L. I. Bagal	1105	1081
- M. I. Komendantov, I. N. Domnin, and R. M. Kenbaeva	1106	1081
V. V. Mikheev, and Yu. A. Fedotov	1108	1082
and G. A. Tolstikov	1109	1083

Engl./Russ.

	Engl.	/Russ
7 V A-81		
Preparation of 1-Hydroxyadamantanes - B. M. Lerman, Z. Ya. Aref'eva, and G. A. Tolstikov	1110	1084
Reaction of Arenediazonium Salts with the Azines of Aromatic Aldehydes	1111	1004
- B. I. Buzykin, G. D. Lezhnina, and Yu. P. Kitaev	1111	
Method for the Preparation of Secondary Aromatic Amines - V. G. Gruzdev Addition of Acetonitrile to 2-Methyl-2-ethyloxetane - Yu. M. Portnyagin	1113	
and N. E. Pak	1114	
Synthesis of 1-Hydroxymethyl-2-alkylimidazolines - V.I.Isagulyants and V.I. Frolov .	1115	1086
Volume 7, Number 6 June, 1971		
Rearrangement of 4-R-1,2,3,4-Tetramethylcyclobutenyl Cations into Cyclopentenyl Ions-V. A. Koptyug, I. A. Shleider, I. S. Isaev, L. V. Vasil'eva,		
and A. I. Rezvukhin	1117	1089
with Nitric Acid-N. V. Svetlakov, I. E. Moisak, and N. K. Shafigullin Chemistry of Ethers with Unsaturated Radicals. XIX. Preparation and 1,4-Cleavage of 1-Alkoxy-2-Alkylalka-2,3-Dienes. Prototropic Isomerization of	1124	1097
Vinylacetylenic Hydrocarbons-G. M. Mkryan, É. E. Kaplanyan, É. S. Voskanyan,		
and A. A. Mazaryan	1128	1101
and P. A. Gurbanov	1133	1106
S. M. Movsumzade, and P. A. Gurbanov	1136	1109
-L. N. Cherkasov, S. I. Radchenko, G. I. Pis'mennaya, and Kh. V. Bal'yan Reaction of Acetylenic n-Alkyl Sulfides with Amines - M. L. Petrov, B. S. Kupin,	1139	1111
and A. A. Petrov	1142	1113
and A. A. Petrov	1148	1120
S. I. Radchenko, B. S. Kupin, and A. A. Petrov	1151	1123
F. A. Gabitov, and A. D. Nikolaeva	1154	1126
Dioxide with Lithium Aluminum Hydride-I. L. Kuranova and E. B. Filonova Configuration and Properties of Unsaturated Acids and Their Derivatives. XXIII.  Thiocyanation of Petroselinic and Petroselaidic Acids and Their Esters	1157	1128
- A. K. Plisov, N. P. Bulatskii, and V. S. Pulyaeva	1161	1132
and Yu. N. Yur'ev	1164	1135
I. M. Kustanovich, and G. I. Samokhvalov		1137
Monomers Based on Galacturonic Acid-B. I. Mikhant'ev, V. L. Lapenko, and V. E. Sopina Synthesis and Investigation of some Nitrogen-Containing Peroxides-A. A. Turovskii,	1170	1140
R. V. Kucher, and A. E. Batog	1172	1141

Engl./Russ.

		Engl./Russ.	
UV Absorption Spectra of Some Amides -B. A. Gru, V. A. Kozlova,			
and V. S. Kuzub	1352	1308	
Derivatives with Nitroalkenes - A. L. Fridman, F. A. Gabitov, and A. D. Nikolaeva	1353	1309	
Synthesis of 1, 2-Diglycerides from 2,5-O-Methylene-D-mannitol $^-$ M. A. Kabanova and V. I. Shvets	1355	1310	
V. E. Platonov, M. I. Gorfinkel', I. S. Isaev, and G. G. Yakobson	1357	1311	
Volume 7, Number 7 July, 1971			
Chemistry in the Ninth Five-Year Plan-A. Averbukh	1359	1313	
-L. N. Cherkasov	1364	1319	
V. V. Titov, and V. B. Mochalin	1366	1321	
and A. M. Rozhnov	1370	1325	
-S. P. Mel'nikova, L. N. Vorob'ev, and A. A. Petrov	1372	1327	
-O. V. Lukashevich, E. L. Golod, and L. I. Bagal	1376	1332	
-L. S. Boguslavskaya, V. S. Étlis, K. V. Yarovykh, and A. B. Bulovyatova  Investigations into the Chlorine Derivatives of Aliphatic Nitriles. IV. Hypochlorination of Acrylonitrile and Methacrylonitrile-V. I. Kondratenko, B. A. Geller	1382	1338	
and I. G. Khaskin	1388	1343	
and I. B. Shubnyakov	1392	1348	
G. S. Vasil'ev, I. L. Mikhelashvili, and V. S. Bogdanov Free-Radical Addition of Capronitrile to Unsaturated Epoxy Compounds	1394	1349	
-S. I. Sadykh-Zade, S. D. Yul'chevskaya, R. I. Mustafaev, and R. A. Sultanov cis and trans Isomers of $\beta$ -Alkyl-Substituted $\alpha,\beta$ -Unsaturated Azo Compounds	1400	1355	
- K. N. Zelenin, N. V. Spevak, and V. A. Nikitin	1402	1357	
P. V. Petrovskii, B. L. Dyatkin, and I. L. Knunyants	1408	1363	
V. I. Spektor, O. E. Krivoshchekova, N. M. Gamper, and A. P. Sazonov Combined Bromination of Mixtures of Epoxides and Olefins. III. Mechanism of the Combined Bromination of Olefins in the Presence of Epoxides	1412	1367	
-M. M. Movsumzade, A. L. Shabanov, P. A. Gurbanov, and S. M. Movsumzade. Synthesis of 1,2,3-Trinitropropane and Some of Its Analogs-Tung Hai-shan,	1418	1373	
E. L. Golad, and L. I. Bagal	1421	1375	
and V. V. Perekalin	1425	1380	

Diene Synthesis with 2-Pyrones. VII. New Adducts of 2-Pyrones with Maleic Anhydride and Their Configuration—N. P. Shusherina, M. V. Gapeeva, A. U. Stepanyants,		
D. M. Mondishka, and R. Ya. Levina	1429	1383
and Yu. Degutis	1433	1387
and Yu. Degutis	1436	1390
and G. P. Tatarinova	1442	1396
and I. A. Favorskaya	1445	1399
and V. F. Kucherov	1448	1402
and Z. A. Abramova	1452	1405
A. F. Kolomiets, V. S. Shchennikov, and Yu. N. Studnev	1454	1406
and Their Cyclization-Z. I. Mazalova and V. A. Lopyrev	1456	1408
Epoxidation of Butyl $\beta$ -Arylvinyl Ketones-I. G. Tishchenko, V. N. Sytin, and I. F. Revinskii Synthesis of 1-Hydroxy-2, 2, 2-trichloroethyl Cumyl Peroxide-Z. S. Smolyan,	1458	1410
M. F. Erykalova, N. A. Kartashova, and V. A. Dodonov	1463	1414
Quantities of Ferric Chloride—N. V. Veber and N. G. Sidorova	1466	1417
- V. A. Koptyug and L. M. Mozulenko	1469	1419
M. M. Guseinov, and F. É. Dzhavadov	1473	1424
1,2-Addition during the Reduction of Aromatic Compounds with Alkali Metals in Ethers		
-A. M. Ponomarev, A. N. Cherkasov, and K. K. Pivnitskii	1477	1428
of Caprolactam-V. G. Granik, M. K. Polievktov, and R. G. Glushkov	1480	1431
Chloromethylation of Halogen-Substituted Benzenes-M. E. Kuimova and B. M. Mikhailov Photochemical Chlorination with Sulfuryl Chloride VIII. Chlorination of Anisole	1485	1436
-M. G. Voronkov, É. P. Popova, V. A. Pestunovich, and É. É. Liepin' Condensation of Aromatic Compounds with Halogeno Derivatives of the Allylic Type. XIV. Mechanism of the Catalytic α-Rearrangement of Allylic Phenyl Ethers	1488	1438
-V. G. Yagodin, L. I. Bunina-Krivorukova, and Kh. V. Bal'yan	1491	1441
Krivorukova, V. G. Yagodin, and Kh. V. Bal'yan $\beta$ -Halogenoa!!xyl Ethers in the Friedel-Crafts Reaction-V. A. Ermokhina,	1496	1445
A. R. Abdurasuleva, I. P. Tsukervanik, and O. Nazarova	1501	1450
R. G. Kurmangalieva, and I. A. Poplavskaya	1504	1453
-V. S. Karavan and L. M. Volkova	1508	1457
Interaction of the Substituents in the Chalcone Molecular Systems - V. F. Lavrushin,		
N. N. Verkhovod, V. M. Verkhovod, and L. M. Kutsenko	1510	1459
Synthesis of 5'-Alkyl-2',4'-dihydroxychalcones - S. P. Starkov and A. I. Panasenko	1514	1463

Engl./Russ.

		Engl./ Huss	
Synthesis of Monoglycosyl Diglycerides through the Isomeric Esters—A.I. Bashkatova, V. N. Volynskaya, G. V. Smirnova, V. I. Shvets, and R. P. Evstigneeva Arene-N-arylsulfonyliminoseleninyl Chlorides — N. Ya. Derkach, N. A. Pasmurtseva,	1599	1542	
and E. S. Levchenko	1600	1543	
and É. N. Martynova	1601	1544	
V. A. Yanchuk, and G. S. Bryukhno	1602 1604	1545 1546	
-L. N. Markovskii, T. N. Lubinina, E. S. Levchenko, and A. V. Kirsanov Sulfonation of Naphthalene with Sulfuric Anhydride in Dichloroethane-B. V. Passet	1605	1547	
and N. V. Rachkovskaya  New Method for the Preparation of 2-Methyl-3-Alkylthietanes-A. V. Bogatskii	1607	1548	
and T. I. Davidenko  Synthesis of 2-Pyrrolidones from 4-Nitro-2-acetylbutanoic Esters-V. C. Grineva and M. M. Zobacheva	1608	1548	
Reactions of Acridine with Ketones under the Conditions of the Emmert Reaction  -A. K. Sheinkman, S. G. Potashnikova, and S. N. Baranov	1609	1549	
sym-Octahydroxanthenes-V. G. Kharchenko, N. M. Yartseva, and N. I. Kozhevnikova	1611 1612	1550 1551	
Volume 7, Number 8 August, 1971			
Study of Polychloroalkyl- and Polychlorovinylamides of Carboxylic Acids by Proton Magnetic Resonance - A. N. Mirskova, V. K. Voronov, M. L. Al'pert,			
É. F. Zorina, T. V. Kashik, and A. S. Atavin	1613	1553	
A. D. Dembitskii, and M. I. Goryaev	1617	1556	
with Methanol - A. A. Ul'yanov and I. A. Maretina	1620	1560	
- V. M. Zakoshanskii, G. S. Idlis, L. M. Svetlova, and S. K. Ogorodnikov	1623	1563	
tert-Butyl Hypochlorite - V. R. Kartashov, V. P. Pushkarev, I. V. Bodrikov, and K. N. Tishkov	1630	1570	
tert-Butyl Hypochlorite in Aprotic Solvents – V. R. Kartashov, V. P. Pushkarev, and I. V. Bodrikov	1634	1574	
K. N. Tishkov, and I. V. Bodrikov	1638	1578	
Catalyst in a Continuous Apparatus — D. V. Sokol'skii, Ya. A. Dorfman, N. A. Karazhanova, and B. Yu. Nogerbekov	1641	1581	
and S. M. Ponomarova	1643	1582	

	Engl./Russ.	
Preparation of 5-Nitronona-4,6-diene - N. A. Sokolov and L. M. Sushchenya Synthesis of Alkoxyisobutyronitriles by the Cyanoisopropylation of Alcohols	1648	1587
- S. I. Mekhtiev, Yu. D. Safarov, and A. E. Portyanskii	1650	1588
M. S. Malinovskii, and É. G. Sumbaev	1653	1591
V. G. Kul'nevich, and A. I. Suprunova	1656	1594
and Olefin Oxides - T. S. Kuznetsova and V. M. Vlasov	1659	1597
V. P. Prokopovich	1661	1599
Z. A. Konovalova, S. F. Goldobin, and Yu. A. Red'kin Iodonium Derivatives of $\beta$ -Diketones. XVI. Synthesis and Measurement of the Basicity of Some Ammonium, Sulfonium, and Iodonium Betaines of	1663	1601
5,5-Dimethylcyclohexane-1,3-dione - S. V. Kalnin' and O. Ya. Neiland Iodonium Derivatives of $\beta$ -Diketones. XVII. Aryliodonium Derivatives	1668	1606
of Isopropylidene Malonate - O. Ya. Neiland and B. Ya. Karele	1674	1611
Amides of Nitrilotriacetic Acid - M. G. Voronkov and S. V. Mikhailova	1678	1616
Structure of the Isomers of 1,3,5-Tri(hydroxymethyl)-1,3,5-trinitrocyclohexane and the Synthesis of 3,5,7-Trinitro-1-azaadamantane		
- G. D. Georgievskaya, M. D. Boldyrev, and L. I. Bagal	1681	1618
- S. V. Vasil'ev, O. T. Burdelev, V. N. Kopranenkov, and L. M. Zakharova UV Spectra of 2-Substituted 1-Phenylcyclopropanes - V. A. Petukhov,	1684	1622
U Ii-hsein, I. G. Bolesov, and R. Ya. Levina	1688	1626
$\beta$ -Chlorohydrins - Yu. M. Portnyagin and N. E. Pak	1691	1629
- Yu. M. Portnygain, V. V. Sova, N. E. Pak, and G. Z. Bugai Investigation of the Chemistry of Organic Oxides. XXXVII. Radical Addition	1695	1633
of 2-Mercaptoethanol and 2-Dimethylaminoethanethiol to Oxides of Alka-1,3-dienes — R. S. Razina and V. M. Al'bitskaya	1699	1637
Mechanism of the Formation of Acids in Reactions of Hydroxyl Radicals with Alkyl		
Acetates – A. I. Kirillov and G. I. Shilov	1702	1639
N. I. Galkina, N. M. Rastorgueva, and L. M. Yagupol'skii	1704	1641
<ul> <li>A. I. Bashkatova, G. V. Smirnova, V. I. Shvets, and R. P. Evstigneeva</li> <li>Stereochemical Investigations. XXVII. Synthesis and Configuration of</li> <li>(+)-β-Phenylpropylamine - V. M. Potapov, V. M. Dem'yanovich,</li> </ul>	1707	1644
L. D. Solov'eva, and G. F. Lelyak	1715	1652
- V. F. Pozdnev	1719	1656
Thermal Stabilities - Yu. L. Zherebin, S. S. Ivanchev, and V. I. Galibei	1723	1660
Investigations in the Arylsulfonylacetonitrile Series.		
IV. Reaction of Arylsulfonylacetonitriles with $\alpha,\beta$ -Unsaturated Compounds - Yu. N. Usenko, A. M. Aleksandrov, V. M. Neplyuev, R.G. Dubenko,		
and P. S. Pel'kis	1728	1665

Engl./Russ.

	Engl.	./Russ
Conjugated Systems Containing Nitrogen Heterocycles. I. Synthesis and		
Properties of Systems Based on Pyridine — S. D. Sokolov,		
E. G. Tikhomirova, S. M. Vinogradova, L. V. Modyanova, and		
P. B. Terent'ev	1821	1755
LETTERS TO THE EDITOR		
Hydration of Acetylene in the Presence of Mercury (II) Sulfate		
- D. V. Sokol'skii, Ya. A. Dorfman, and S. S. Kvon	1825	1759
Isomerization of Hex-1-en-4-yne - Ya. M. Slobodin and I. Z. Égenburg	1828	1761
Partial Asymmetric Synthesis in a Carbenoid Reaction with the Participation		
of An Optically Active Complexant - I.S. Lishanskii, I. L. Artamonova,	1000	1501
V. N. Zgonnik, and K. K. Kalnin'sh	1829	1761
B. A. Klyashchitskii, V. I. Shvets, and R. P. Evstigneeva	1830	1762
Photoinitiation of the Addition of Maleic Anhydride and Its Derivatives to	2000	1.02
2,5-Dihydrothiophene 1,1-Dioxide - V. Sh. Shaikhrazieva, R. S. Enikeev,		
and G. A. Tolstikov	1831	1763
Influence of Atropoisomerism on the Ammonolysis of 4,4'-Dichlorobenzophonone		
and 2,4'-Dichlorobenzophenone - V. V. Voronenkov and E. A. Lazurin	1832	1764
Synthesis of Thiophene Derivatives from Ferrocenylphenyl Ethers of Diacetylenic Alcohols — A. G. Makhsumov, T. Yu. Nasriddinov,		
and A. M. Sladkov	1833	1764
Bromination of 3,5-Diphenylisoxazole in Sulfuric Acid - S. D. Sokolov	2000	
and I. M. Yudintseva	1835	1765
Recollections of Roza Yakovlevna Levina - V. R. Skvarchenko and N. P. Shusherina	1836	1767
Volume 7, Number 9 September, 1971		
Mass Spectra of Benzyl- and p-Tolylpyridines - P. B. Terent'ev, R.A. Khmel'nitskii,		
and A. N. Kost	1843	1777
Reactions of Acetylene with Organic Disulfides. V. Investigation of the Effect		
of the Reaction Conditions on the Yield and Proportions of the Adducts		
- N. K. Gusarova, B. A. Trofimov, A. S. Atavin, S. V. Amosova,	1040	1500
and A. V. Gusarov	1846	1780
The Allylic Shift and the Stereoisomers of 3-Methyl-2-penten-4-yn-1-ol - B. M. Gavrilov, E. N. Zvonkova, and R. P. Evstigneeva	1849	1783
The Monoethers of Unsymmetrical $\gamma$ -Glycols in the Acetylene Series	1010	1100
and Their Hydrogenation - S. S. Sabirov, A. O. Oripov, and V. I. Nikitin	1852	1786
Addition of Thioacetic Acid to $\beta$ -Nitrostyrenes Substituted in the Nucleus.		
Synthesis of 1-Aryl-1-acetothio-2-nitroethanes - L. G. Bulavin,		
G. A. Nikiforov, and I. S. Belostotskaya	1856	1791
Condensation of α-Chlorostyrene with Paraformaldehyde on the Cation-Exchange Resin KU-2 - V. I. Isagulyants, V. R. Melikyan, and Nguyen Man Hung	1950	1704
Isomeric Transformations of $\alpha$ -Oxides with Mobile Hydrogen Atoms in the Carbon	1859	1194
Side Chain, XXIII. Base-Catalyzed Isomerization of Ethyl		
5-Methyl-2-(X-benzoyl)-4,5-epoxyhexanoates to the 2-(X-Phenyl)-3-		
carboethoxy- $5-\alpha$ -hydroxyisopropyl-4,5-dihydrofurans - S. El Kadri	1865	1799
and B. A. Ershov	1000	1100
Partial Asymmetric Synthesis in the Reactions of Conjugated Dienes with		
Carboethoxycarbene in the Presence of Copper Chelates - I. S. Lishanskii, V. I. Pomerantsev, N. G. Illarionova,		
A. S. Khachaturov, and T. I. Vakorina	1870	1803

Conjugated Halogenation of Unsaturated Compounds. V. Chlorofluorination and Chloromethoxylation of 2-Fluoroallyl and 2-Chloroallyl Chlorides		
- L. S. Boguslavskaya and V. S. Étlis	1876	1811
A. I. Shchekotikhin, and V. A. Ginsburg	1881	1815
and Some of Their Properties - S. S. Kukalenko and F. V. Kargapolova Autooxidation of Acetylenes. III. 1-Phenyl-1-butyne and 1-Phenyl-1-hexyne	1883	1816
- A. I. Chirko, I. G. Tishchenko, and K. I. Ivanov	1887	1820
- V. F. Belyaev and V. P. Prokopovich	1891	
- T. A. Sokolova and I. N. Osipova	1894	1826
- S. S. Gitis, A. Ya. Kaminskii, É. A. Bronshtein, and Yu. D. Grudtsyn Orientation in Reactions of Heterolytic Addition to Perfluoromethyl	1898	1830
Perfluorovinyl Ether - É. P. Lur'e, B. L. Dyatkin, and I. L. Knunyants Substitution of a Methyl Group for the Halogen in the Halogen Derivatives of Nitroform and for a Nitro Group in Tetranitromethane	1904	1835
<ul> <li>A. L. Fridman, V. D. Surkov, and F. M. Mukhametshin</li> <li>Kinetics and Stereochemistry of the Reactions of α-Oxides with Alcohols,</li> <li>Catalyzed by Boron Fluoride and Perchloric Acid</li> </ul>	1909	1840
- V. F. Shvets and O. A. Tyukova	1911	1842
Catalyzed by Tertiary Amines – V. F. Shvets and O. A. Tyukova Kinetics and Stereochemistry of the Reactions of $\alpha$ -Oxides with Alcohols and Carboxylic Acids in the Absence of Catalysts – V. F. Shvets, N. N. Lebedev,	1916	1847
and O. A. Tyukova	1920	1851
<ul> <li>P. I. Pomilenko, V. I. Senyukov, and I. Ya. Tyuryaev</li> <li>Relation between the Structure and Properties of Amino Alcohols and Their Derivatives. XI. The Alkali Hydrolysis of the Esters of Amino Alcohols in the Protonated Form - L. A. Kundryutskova, S. V. Bogatkov,</li> </ul>	1925	1856
and E. M. Cherkasova	1930	1862
- B. Ya. Andreev and B. P. Vesnovskii	1935	1867
- L. M. Pritykin, K. N. Karadzhyan, V. G. Shumetov, and V. G. Raevskii $\alpha$ -Alkoxycarbonylisopropyl Chloroformates and the Peroxydicarbonates Based	1938	1870
on Them – A. I. Kirillov, L. F. Ivanova, and L. A. Tsareva Synthesis of Methyl N- $\beta(\gamma)$ -Hydroxyalkyl-N-arylcarbamates	1943	
- T. T. Dustmukhamedov and S. R. Tulyaganov	1947	1878
and A. F. Platé	1949	1880
and V. I. Proshutinskii	1956	1887
- L. A. Krichevskii and A. V. Shchelkunov	1958	1888
- V. N. Vishnevetskii, E. Yu. Sukhovaya, and N. K. Moshchinskaya	1961	1891

Nitration of Arylisoxazoles - S. D. Sokolov, I. M. Yudintseva, P.V. Petrovskii,

2051 1979

	Engl.	/Russ.
Unsaturated Alcohols. 2-[3-(1-Pyrrolidonyl)-2-hydroxypropoxy]ethyl and 2-[3-(1-Piperidonyl)-2-hydroxypropoxy]ethyl Acrylates and Methacrylates		
- F. Ibragimov, T. G. Gafurov, and F. P. Sidel'kovskaya	2056	1984
- K. A. V'yunov, A. I. Ginak, and E. G. Sochilin	2058	1987
LETTERS TO THE EDITOR  Alcoholysis of Thiosulfonic Esters - B. G. Boldyrev and L. V. Vid	2062	1990
and V. R. Kartashov	2064	1991
L. N. Shitov, A. V. Sablin, I. V. Martynov, S. S. Dubov, and V. K. Kurochkin Formation of Dinitroethyl Ethylnitrolate from 1-Chloro-1-nitroethane	2066	1992
- F. M. Mukhametshin	2067	1993
Dianhydrides – V. Sh. Shaikhrazieva, R. S. Enikeev, and G. A. Tolstikov	2068	1994
- I. Ya. Aleksandrova, N. A. Zakharova, and N. V. Khromov-Borisov Preparation of 2,8-Dimethyl-5,6,7,8-tetrahydro-1,5-indanedione	2069	1995
- O. I. Fedorova, I. V. Ogurtsova, and G. S. Grinenko	2071	1996
A. Ya. Yakubovich, and A. S. Bobkov	2073	1997
- F. A. Martirosyan, R. M. Ispiryan, V. O. Babayan, and A. A. Petrov  The Kinetic Isotope Effect in the Sulfonation of Naphthalene - B. V. Passet	2074	1998
and N. V. Korotchenkova	2075	1998
Reactions of Thiacycloalkanes with Diazomethane - G. N. Gordadze	2076	1999
and L. M. Yagupol'skii	2077	2000
and A. I. Shatenshtein	2079	2001
and G. G. Yakobson	2081	2002
and 5-Bromo-3-nitrosalicylaldehyde - D. A. Drapkina	2083	2003
DISCUSSION  Letter to the Editor on the "So-Called Substitution of the Nitro Group in  Tetranitromethane by an Alkyl Group" - A. L. Fridman, V. D. Surkov,		
and F. M. Mukhametshin	2084	2003
Volume 7, Number 10 October, 1971		
Influence of the Solvent on the Mechanism of the Wurtz and Fittig Reactions		
- L. F. Kasukhin and I. P. Gragerov	2087	2009
Study of the Oxidation of Dibenzylmercury in the Presence of Hydrogen Chloride and Halide Anions - G. A. Artamkina, I. P. Beletskaya, and O. A. Reutov	2092	2014

Engl./Russ

Passage from Vicinal Polyhalogeno Derivatives to Unsaturated Compounds.		
III. Influence of the Reaction Conditions on the Competing		
Directions of the Reaction of (±)-trans-1,2-Dibromocyclohexane with Quinoline — V. A. Cherkasova and S. I. Bakulina	2192	2110
Decarbonylation of 1-Methylcyclohexanecarbonyl Chloride in the Presence	2132	2110
of Aluminum Chloride - A. G. Ismailov, M. A. Rustamov, and F. A. Rustamov.	2196	2115
Synthesis and Investigation of $\beta$ -Alkyl- and $\beta$ -Arylaminoacrylaldehydes		
- S. M. Makin, Abla Ahmed Ishmael, V. V. Yastrebov, and K. I. Petrov	2201	2120
Chemistry of Acetylenic Carbonyl Compounds. I. Kinetics of the Reaction of		
1,3-Diphenylpropynone with Morpholine in Ethanol - S.P. Korshunov,		
N. A. Kudryavtseva, V. S. Pisareva, and A. A. Nazarova	2205	2125
Synthesis of Substituted $\beta$ -Phenoxyethyl Chloroformates - Sh. T. Akhmedov,		
M. A. Akhundova, and R. K. Alekperov	2208	2127
Esters of α,β-Unsaturated Acids with Functional Groups in the Alkoxy Radical.		
XII. Cyanoethylaminoalkyl Acrylates and Methacrylates  - F. N. Bodnaryuk and M. A. Korshunov	2210	2120
IR Absorption Spectra and the Spatial Structure of Ceramide and Its Derivatives	2210	2120
- A. S. Bushnev, M. I. Struchkova, E. N. Zvonkova, R. P. Evstigneeva,		
and N. A. Preobrazhenskii	2214	2132
Aromatic Polynitroalkyl Acetals - S. F. Mel'nikova, I. N. Aizenshtadt, and L.I. Bagal.	2218	2136
Oxidation of Bicyclo[2,2,1]hept-5-ene-exo-2-carboxamides - M.S. Malinovskii,		
L. I. Kas'yan, and V. D. Ovsyanik	2221	2139
Complexes of Aromatic Hydrocarbons with Metal Halides and Hydrogen Halides.		
IX. Protonation of 1-Alkyl-3,5-dimethylbenzenes - I.B. Repinskaya,	222	0110
A. I. Rezvukhin, and V. A. Koptyug	2225	2143
Investigation of the Formation of Triaryl Derivatives of 1,3,5-Trivinylbenzene - N. P. Kovalenko, L. Ya. Kheifets, and L. Ya. Malkes	2231	21/0
Reaction of Pentafluorotoluene with Metalating Reagents - V. M. Vlasov,	2201	2143
É. S. Petrov, A. I. Shatenshtein, and G. G. Yakobson	2234	2153
Stagewise Nature of the Nitration of Aliphatic-Aromatic Alcohols and Their Ethers		
and α-Halogenoalkylbenzenes - P. M. Kochergin, L. S. Blinova, R. M. Titkova,		
and G. A. Karpov	2238	2157
Reactions of Hexachloropropene and 1,1,2-Trichloro-3,3,3-trifluoropropene		
with Sodium Phenoxides and Thiophenoxides - L. M. Yagupol'skii		
and E. A. Chaika	2243	2161
Synthesis of Diphenyl Sulfide Derivatives. III. Formation of Symmetrical Diphenyl		
Sulfides by the Action of Sodium Disulfide on Some p-Chloronitrobenzene	0040	9100
Derivatives - D. P. Sevbo, T. F. Stepanova, and O. F. Ginzburg	2248	2100
in Nitrobenzene - A. I. Bilobrova, Yu. A. Sharanin, A. F. Popov, and		
L. M. Litvinenko	2250	2168
Doubly-Charged Carbonium Ions from Isomeric para-Dichalcols		
- V. M. Nikitchenko, V. K. Polyakov, S. V. Tsukerman, and V. F. Lavrushin	2254	2171
Metalation of Phenylacetonitrile with Caustic Potash in Dimethylformamide		
- V. A. Volkova and D. V. Ioffe	2259	2177
Synthesis and Reactions of $\beta$ -Lactones. XVII. Kinetics and Mechanism of the Reaction		
of $\beta$ -Trichloromethyl- $\beta$ -propiolactone with Aromatic Amines	0001	0150
- F. I. Luknitskii and S. L. Maiofis	2261	2179
III. Bromination of 3,5-Dibromoacenaphthene - V. G. Usachenko		
and G. P. Petrenko	2265	2182
Conversions of Halogen-Containing Aromatic Compounds in the Presence of Organic	_=00	
Bases. IX. Reaction of 8-Halogeno-5-nitro-1-naphthoic Acid with Primary		
and Secondary Amines in Water - V. N. Lisitsyn and V. A. Shul'chishin	2269	2186

Pentacenediquinone Derivatives. II. Monoamino-, Methylamino-, Phenylamino, and Acylamino-Substituted Pentacene-5,14:7,12-diquinones		
- N. S. Dokunikhin, L. A. Gaeva, and N. N. Artamonova	2274	2191
Derivatives of 3-Methyl-1-phenylpyrazoline-4,5-dione.		
IV. Structure and Properties of 4-Phenylhydrazones of		
3-Methyl-1-phenylpyrazoline-4,5-dione -I. S. Ioffe, L. M. Kryukova,	2276	9109
and L. Yu. Kim		
Hexachlorotriazatriphosphorine - Z. B. Kiro and B. I. Stepanov Investigations in the Bipiperidine Series. VIII. Synthesis of Diastereomers	2279	
of 2,2'-Bipiperidine — Yu. N. Forostyan, E. I. Efimova, and I. I. Soroka Some Derivatives of the Triazolo[4,5,1-ij]quinoline System — A. V. El'tsov,	2282	2198
V. N. Khokhlov, and T. V. Levandovskaya	2285	2201
V. G. Vodop'yanov, and Yu. I. Mushkin	2296	2212
Halogenation of 2-Cyanoimino-1,2,3,4-tetrahydropyrimidines - V. G. Vodop'yanov,	9900	0017
V. G. Golov, and Yu. I. Mushkin	2300	4411
LETTERS TO THE EDITOR		
Reaction of Esters of Nitric Acid with Sodium Azide - N. V. Svetlakov, V. V. Mikheev,		
and Yu. A. Fedotov	2304	2220
- V. G. Noskov and L. Z. Soborovskii	2305	2221
É. F. Zorina, and A. S. Atavin	2306	2221
Addition of Diazomethane to Allyl Cyanide - V. N. Mikhailova and A. D. Bulat Opening of the Three-Membered Ring of Derivatives of Cyclopropane-1,1-	2308	2223
dicarboxylic Acid in the Reaction with Hydrazine Hydrate - A. S. Koz'min,	0000	0004
S. A. Gladyr', R. Ya. Levina, and I. G. Bolesov	2309	
- V. Sh. Shaikhrazieva, E. V. Tal'vinskii, and G. A. Tolstikov Trimetallic Derivative of 1-Phenylpropyne - S. G. Kuznetsov, N. M. Libman,	2311	2225
and P. A. Brestkin	2312	2225
Charge-Transfer Complexes Formed by Di- and Trisulfonyl Chlorides of Benzene		
and Toluene - A. P. Kilimov, S. V. Zabegailo, and V. V. Smirnov	2313	2226
3,5-Diamino-1,2,4-dithiazolium Ions in Hydride Transfer Reactions		
- M. B. Kolesova, L. I. Maksimova, and A. V. El'tsov	2315	2227
Synthesis of a Selenonium Ylide - N. N. Magdesieva	0010	0000
and R. A. Kyandzhetsian	2316	2228
Anionotropic Transformation of N-(Diphenylmethylene)bromoformamide	2317	2220
- L. I. Samarai, V. I. Gorbatenko, O. V. Vishnevskii, and N. F. Radchenko Addition of Phenylselenium Halides to Propiolic and Phenylpropiolic Acids		
and to 4-Phenylbut-3-yn-2-one - E. G. Kataev, T. G. Mannafov, and O.O. Saidov. Reactivity of the Chlorine Atoms in 3,6-Dichloro-2,5-di(chloroacetylamino)-	2318	2229
1,4-benzoquinone - V. T. Kolesnikov, L. D. Belitskaya, and B. G. Boldyrev Generation of a Carbanion from Pentafluorophenylmalondinitrile under the	2319	2230
Action of Hexametapol - V. M. Vlasov and G. G. Yakobson	2320	2231
-I. M. Sosonkin, S. S. Gitis, A. Ya. Kaminskii, V. A. Subbotin,	0000	0000
and É. G. Kaminskaya	2322	2232

## November, 1971 Volume 7, Number 11

Reactivity of Ambident Anions. Selective Solvation of the Acetoacetic Ester		
Anion in Alkylation Reactions - A. L. Kurts, A. Masias,		
I. P. Beletskaya, and O. A. Reutov	2323	2233
Yu. V. Kirichenko, R. M. Masagutov, A. A. Podterebkova,		
N. M. Beksheneva, M. F. Khabibullin, and B. G. Sharipov	2327	2236
Reaction of Alkylmagnesium Halides with 1-Alken-3-ynes - G. I. Pis'mennaya,		
L. A. Cherkasov, A. A. Petrov, and Kh. V. Bal'yan	2330	2239
Synthesis of Methylene Alkyl $\delta$ -Halogenobutyl Ethers and Their Chemical		
Transformations - B. F. Pishnamazzade and N. N. Nabiev	2335	2244
Reaction of Unsaturated Alcohols with Phenols.		
I. Reaction of Dimethylallylcarbinol with Phenol in the Presence		
of Phosphoric Acid - A. I. Kakhniashvili, L. I. Dzhibladze,	0000	0045
and D. Sh. Ioramashvili	2338	2247
Investigations into the Region of Amines and Ammonium Compounds.		
LXXXI. The Cyclization Reaction - A. T. Babayan, S. T. Kocharyan,	0044	0050
J. V. Grigoryan, and P. S. ChobanyanStructure of the Products and the Mechanism of the Oligomerization	2344	2253
of Propylene under the Influence of Nickel Oxide on Aluminosilicate		
- V. Sh. Fel'dblyum and T. I. Baranova	2348	2257
Reaction of N,N-Dichloroalkylamines Containing the Dichloroamino Group	2040	2201
at a Tertiary Carbon Atom with Alkalies – A. M. Pinchuk,		
L. N. Markovskii, and G. K. Bespal'ko	2354	2263
Polyfluoro Azo Compounds. IV. Properties of Hexafluorohydrazomethane	2001	
- V. A. Ginsburg, M. N. Vasil'eva, and L. L. Martynova	2358	2267
Preparation of 1,2-Diazetidine-1,2-dicarboxylates by the Reaction of Fluoroolefins		
with Azodicarboxylic Esters - S. A. Rodkin, A. Ya. Yakubovich,		
and S. P. Makarov	2361	2271
Isomerization of Acetylenic Acetals - M. R. Kulibekov and A. K. Gorban'	2365	2275
Steric Hindrances in Organomagnesium Reactions. XXI. A New Anomaly		
in Organomagnesium Reactions - I. I. Lapkin, M. N. Rybakova,		
and B. V. Korionov	2366	2276
Synthesis of $\beta$ -Keto Peroxides – G. S. Akimova and M. P. Grinblat	2369	2279
New Fungicides - Dithiocarbamic Acid Derivatives - Yu. N. Bezobrazov,		
V. P. Brysova, and R. A. Gukova	2373	2282
Thermal Isomerization of Vinylnorbornene - L. F. Titova, Yu. G. Osokin,		
T. Kh. Garber, D. M. Lisitsyn, and D. N. Chaplits	2377	2286
Stereochemistry and Reactivity of Unsaturated Compounds.		
XVI. Dissociation Constants of tert-Butyl-Substituted		
Cyclohexenecarboxylic Acids - G. P. Kugatova-Shemyakina and V. B. Berzin	2379	2288
Stereochemistry and Reactivity of Unsaturated Compounds.		
XVII. Synthesis of 4-tert-Butyl-2-cyclohexene-1-carboxylic Acid		
- G. P. Kugatova-Shemyakina and V. B. Berzin	2383	2292
Synthesis of Some Propiolactones with Aromatic Substituents in Position 3		
- T. B. Fomina, V. N. Artem'eva, and Yu. N. Sazanov	2387	2295
Reactions of Carbenes with Dienes and Polyenes. IV. Reaction of Dichlorocarbene		
with trans-trans-1-Phenyl-1,3,5-hexatriene and trans-trans-trans-1-Phenyl-	0000	9997
1,3,5,7-octatetraene - R. R. Kostikov, A. P. Molchanov, and I. A. D'yakonov	2389	2297
Investigation of the Products from the Hydrochalogenation of Caranes		
and the Elimination of Hydrogen Halides from Halogenomenthanes  — I. I. Bardyshev, É. F. Buinova, and I. V. Protashchik	2200	2207
Dardyshev, E. F. Dulliova, and I. v. Protasnenik,	2398	2307

Nature of the Bond between the Chromophore and the Protein in Rhodopsin.  Synthesis of N E-all-trans-Retinyl-L-lysyl Peptide - E. N. Zvonkova,		
T. D. Skalaban, R. P. Evstigneeva, and N. A. Preobrazhenskii	2402	2311
- A. S. Bushnev, E. N. Zvonkova, and R. P. Evstigneeva	2404	2313
Anhydrides – A. S. Filatov and M. A. Énglin	2407	2316
- M. A. Englin, A. S. Filatov, and N. F. Alekseeva	2410	2319
L. M. Besschetnova, and V. A. Koptyug	2412	2321
and Amines - A. F. Popov, Zh. P. Gel'bina, and L. M. Litvinenko Kinetics and Mechanism of the Protolytic Demercuration of	2418	2327
1-Methyl-3-acetyl-2-chloromercuriindole - M. I. Vinnik, L. V. Pepekina,	0.400	0000
L. G. Yudin, A. I. Pavlyuchenko, and A. N. Kost	2423	2332
Effect of the Nature and Position of the Substituents in the Benzene Ring of Phenylcyclopropanes on Their Behavior in Deutero Exchange	0.400	0000
- N. A. Kazbulatova, E. A. Yakovleva, G. G. Isaeva, and Yu. S. Shabarov Synthesis and Some Reactions of N- $\beta$ -Hydroxyethyl-m-trifluoromethylaniline	2428	2338
- S. R. Tulyaganov and Zh. Seitkasymov	2432	2342
O. Ya. Neiland, and G. P. StepanetsSubstituted Hydrazides and Thiosemicarbazides of 6-Aminohexanoic	2435	2344
and p-Aminomethylbenzoic Acids - A. D. Grabenko, M. N. Danchenko, and P. S. Pel'kis	2440	2350
Investigations into the Series of $\beta$ -Keto Sulfone Derivatives.		
V. N-Arylarylsulfonylcarbamoylthioacetamides — V. M. Neplyuev, M. G. Lekar', R. G. Dubenko, and P. S. Pel'kis	2443	2352
Optically Active Chelate Compounds. X. Zinc, Cadmium, and Cupric bis(α-Phenylethyldithiocarbamates) - E.G. Rukhadze, V. V. Dunina,	2443	2002
E. V. Drobyshevskaya, and A. P. Terent'ev	2447	2356
Benzenoid-Quinonoid Tautomerism in Azomethines and Their Structural Analogs.  VIII. Analysis of the Electronic Spectra of N-Alkylhydroxy-		2000
and N-Alkylmercaptobenzaldimines - V. I. Minkin, L. P. Olekhnovich,		
and B. Ya. Simkin	2455	2364
Nitrones as Radical Traps – V. A. Tyurikov, B. I. Shapiro, and L. A. Neiman Possibility of Using $\alpha$ , $\alpha$ -Diphenyl- $\beta$ -picrylhydrazine to Determine the Dissociation	2463	2372
Rate of Tetraphenylhydrazine - L. A. Zhivechkova, B.S. Tanaseichuk,	0.470	0070
and A. Yu. Ermishov	2470	2379
V. P. Sambur, and L. M. Yagupol'skii	2473	2382
Rearrangement of Ethylphenyl Mesityl Sulfones - V. N. Drozd	0.400	9999
and O. I. Trifonova	2480	2388
phenoxybenzene - E. E. Baroni, L. I. Karegishvili, and K. A. Kovyrzina Reaction of Phenols with Lewis Acids. II. Aralkylation of Aromatic Compounds	2486	2395
by the Tautomeric Forms of Naphthols - V. A. Koptyug and T. P. Andreeva Reductive Metallation of Carbonyl Compounds. XII. Protonation of the	2490	2398
Dimetallic Derivatives of Ketones in the Naphthalene Series  M. I. Mostova, D. V. Ioffe, and S. G. Kuznetsov	2495	2403
THE AT ALLOWOOT MY AT A STATE OF MINE OF MY INCHIDED AS A SECOND	~100	-100

	Engl.	Russ.
Certain Transformations of Methyl 2,3-Tetralonecarboxylate and Its Derivatives		
- N. M. Przhiyalgovskaya and E. N. Sidorenko	2499	2407
- V. V. Russkikh, S. A. Russkikh, and E. P. Fokin	2502	2409
Yu. E. Gerasimenko and N. T. Poteleshchenko	2505	2413
quinone - Yu. E. Gerasimenko and N. T. Poteleshchenko  Derivatives of Alkylpyridines. VI. Chemical-Complex Behavior	2508	2415
of S-Pyridylethylated Mercapto Acids - Yu. E. Il'ichev, T.V. Grinchenko,		
M. A. Salimov, I. E. Il'ichev, E. G. Rukhadze, and A. P. Terent'ev	2511	2418
Synthesis of 3-Arylamino-5,6-benzoindazoles - S. I. Burmistrov and V. S. Belykh Diene Synthesis with 2-Pyrones. IX. Diene Synthesis of the Monoadducts	2516	2423
of 2-Pyrones with N-Phenylmaleimide - M. V. Gapeeva, A.U. Stepanyants,	2510	9496
N. P. Shusherina, Yu. A. Knirel', and R. Ya. Levina  Lactam Acetals. II. N-Methylcaprolactam Diethylacetal in C- and O-Alkylation  Reactions - V. G. Granik, A. N. Akalaev, and R. G. Glushkov	2519 2522	
Synthesis of Melam from Melamine - V. A. Gal'perin, A.I. Finkel'shtein, and N. K. Gavrilova	2524	
Derivatives of Benzomorpholine. VI. Synthesis of 1,4-Oxazinocarbazoles		
- G. S. Predvoditeleva, T. V. Kartseva, and M. N. Shchukina	2526	
- Yu. V. Svetkin, I. B. Abdrakhmanov, and T. F. Petrushina LETTERS TO THE EDITOR	2528	2435
Reaction of Diethylbarium with Vinylalkylacetylenic Hydrocarbons		
- L. N. Cherkasov, G. I. Pis'mennaya, Kh. V. Bal'yan, and A.A. Petrov Reactions of Aliphatic Diazo Compounds. Reactions of Selenic Acid	2530	2437
with 1-Diazo-4-nitro-4-aza-2-alkanones - A. L. Fridman and G.S. Ismagilova . Epoxidation of Diallyl with Peracetic Acid - N. I. Popova, E. K. Prudnichenko,	2531	2437
and A. M. Romanikhin	2532	2438
and L. V. No	2533	2438
- A. I. Shreibert, V. E. Shishkin, and N. V. Kryukov	2534	2439
- T. A. Favorskaya, S. I. Yakimovich, V. A. Khrustalev, and T. A. Zhdanova Transfer of the Aryliodonium Group in the Reactions of Iodonium Betaines with	2535	2440
CH Acids - D. É. Prikule and O. Ya. Neiland	2537	2441
of 3-(3-Piperidyl)pyridine - E. I. Efimova and Yu. N. Forostyan	2539	2442
Structure of 3-Fluoro-1-acenaphthenone - A. P. Karishin	2541	
G. Z. Stasevich, and O. N. Bubel'	2543	2444
- I. S. Ioffe, E. N. Viktorova, and A. L. Shapiro	2544	2445
Volume 7, Number 12 December, 1971		
Radical Transfer in Organic Halides-M. P. Ponomarchuk and L. F. Kasukhin UV Spectra and Acid Dissociation Constants of Some N-Derivatives	2545	2449
of Hydroxamic Acids-S. F. Manole, M. P. Filippov, and N. A. Barba	2548	2452

The 1,3-Dipolar Cycloaddition of Ketocarbenes to the Acetylenic Bond		
and the Thermocatalytic Isomerization of Ketones of the Cyclopropene Series  -M. I. Komendantov, T. S. Smirnova, I. N. Domnin, and L. A. Krakhmal'naya	2551	2455
The Chemistry of Enynic Ethers. VIII. The Reaction of Diacetylene with Aliphatic Alcohols. The Synthesis of Alkoxydienes-Yu. A. Zaichenko, L. N. Reshetova,	0555	0.401
and I. A. Maretina	2557	2461
Investigations in the Field of Acetylenic Compounds. VIII. The Isomerization of 1-Chlorobut-2-yne into 3-Chlorobuta-1,2-diene (γ-Chloro-γ-methylallene) -G. M. Mkryan, N. A. Papazyan, G. B. Arsenyan, É. A. Avetisyan,		
V. F. Zhurba, and A. A. Nazaryan	2562	2466
and L. I. Vereshchagin	2566	2469
of 5-Bromopent-4-enoic Acid and Some of Its Derivatives		
-É. A. Parfenov and A. M. Yurkevich	2568	2471
Investigations in the Field of Epoxy Compounds. XXXI. Reaction of $\beta$ , $\gamma$ -Epoxy		
Alcohols with Sodioacetoacetic Ester-V. I. Pansevich-Kolyada,		
É. F. Marchik, V. I. Makhnach, and G. S. Bychkova	2573	2476
A Method for the Selective Oxidation of Sulfides to Sulfoxides-A. V. Sviridova,		
V. I. Laba, and E. N. Prilezhaeva	2577	2480
Reactions of tert-Butyl $\alpha$ -Chloroethyl Peroxide with Some Organometa $\Pi$ ic Compounds		
-G. A. Razuvaev, S. N. Zaburdyaeva, and V. A. Dodonov	2581	2484
Reactions of Halogenometal Alkoxides. XLVI. Synthesis of Ditertiary Glycols		
-I. I. Lapkin, T. A. Svinina, N. A. Karabanov, and L. S. Skvortsova	2584	2487
New Syntheses with the Participation of Organozinc Compounds. XII. Synthesis	0500	0.400
of $\alpha$ -Substituted $\beta$ -Diketones –I. I. Lapkin and F. G. Saitkulova	2586	2488
Synthesis and Properties of Some Chlorine Derivatives of 3-Phenylprop-2-enal	0500	0.400
-G. K. Rudnev, I. G. Khaskin, B. A. Geller, and V. E. Didkovskii  Substituted Hydrazides of Hydroxy Carboxylic Acids. LXXV. Dialkylaminoacetyl	2588	2490
Derivatives of the Tolylhydrazides of Diaryl- and Dibutylglycolic Acids		
I. S. Berdinskii, L. N. Starostina, M. S. Mashevskaya, and G. S. Posyagin	2592	2494
Substituted Hydrazides of Hydroxy Carboxylic Acids. LXXVI. Fluorophenylhydrazides	2002	2101
of Disubstituted Glycolic Acids—I. S. Berdinskii, L. A. Vorontsova,		
L. I. Berdinskaya, and N. K. Mochalova	2596	2497
A Study of the Kinetics of the Decomposition of Some Monofunctional Nitrogen-Containing		
Peroxides with a tert-Alkyl Radical-R. V. Kucher, A. A. Turovskii,		
N. V. Dzumedzei, and A. E. Batog	2601	2503
Some Physical Properties of Ethers of Dihydric Alcohols-L. F. Komarova		
and Yu. N. Garber	2605	2507
The Aldol Condensation of Cyclohexanone-A. V. Iogansen, G. A. Kurkchi,		
V. P. Baeva, Z. N. Rasskazova, and G. A. Salamatina	2608	2509
A Study of the Cyclic Cooligomerization of Butadiene and Ethylene to Form		
cis, trans-Cyclodeca-1,5-diene-V. M. Akhmedov, M. A. Mardanov,		
A. A. Khanmetov, and L. I. Zakharkin	2610	2511
Hydrogenation of 3,7-Dimethylenebicyclo[3,3,1]nonane on a Platinum Catalyst		
-F. N. Stepanov, É. N. Martynova, L. A. Zosim, A. G. Yurchenko,		
and A. P. Krasnoshchek	2615	2516
The Isomerization of Sylvestrene in the Presence of N-Lithioethylenediamine	0.010	0510
-I. I. Bardyshev, Zh. F. Loiko, R. I. Zen'ko, L. A. Popova, and B. G. Udarov Stereochemistry and Reactivity of Unsaturated Compounds. XVIII. Synthesis	2618	2519
of the Stereoisomeric 2,5-Dimethylcyclohex-3-enecarbaldehydes		
G. P. Kugatova-Shemyakina, L. K. Andreeva, É. O. Bizdena, V. B. Berzin,		
L. I. Rozhkova, and V. M. Andreev	2621	2522

Stereochemistry and Reactivity of Unsaturated Compounds. XIX. Stereochemistry of the Products of the Aldol and Retroaldol Condensation of Aldehydes of the Cyclohex-3-ene Series with Acetone—G. P. Kugatova-Shemyakina,		
L. K. Andreeva, L. I. Rozhkova, and V. M. Andreev  The Hydrogenation of 3,7-Dimethylenebicyclo[3,3,1]nonane on Raney Nickel	2627	2528
-F. N. Stepanov, É. N. Martynova, L. A. Zosim, and A. G. Yurchenko  The Relationship between the Acid Ionization Constants of Some Isomeric Cyclohex-4-ene-1,2-dicarboxylic Acids and Their Structures-M. S. Salakhov,	2632	2533
A. I. Israfilov, T. O. Shamilov, M. M. Guseinov, and V. F. Kucherov Alkoxy Compounds. XLV. The Alkaline Hydrolysis of Alkyl $\beta$ -Methoxyethylmalonates and the Preparation from Them of $\alpha$ -Alkyl- $\gamma$ -Butyrolactones $-A$ . V. Bogatskii,	2634	2535
L. Ya. Glinskaya, and G. L. Kamalov  The Reaction of N,N-Dimethylaniline with Polychloroalkanes-Yu. B. Pyatnova,	2637	2538
V. Kh. Taksidi, L. A. Zhelamskaya, and S. V. Nikeryasov	2643	2544
T. V. Rozantseva, I. I. Chicherina, and A. Ya. Yakubovich	2647	2548
Substituents – E. V. Titov, N. G. Korzhenevskaya, L. M. Kapkan, L. N. Sedova, L. Z. Gandel'sman, Yu. A. Fialkov, and L. M. Yagupol'skii	2651	2552
4,4'-Dihydroxyazoxybenzene-A. Kh. Filippova, É. I. Dubinskaya, V. K. Voronov, and L. V. Sokolyanskaya	2655	2556
G. I. Koldobskii, and L. I. Bagal	2659	2560
V. G. Chirtulov, and A. S. Ocheretovyi	2663	2564
of an Organic Base. XIII. The Replacement of the Halogen in an o-Halogenophenylacetic Acid-V. N. Lisitsyn and E. K. Lugovskaya	2666	2567
Synthesis of Substituted Benzoylpropionic Acids-Sh. A. Azizova, N. N. Mel'nikov,		
and I. L. Vladimirova	2669	2570
-Yu. V. Svetkin and M. M. Murza	2672	2572
-A. N. Detsina and V. A. Koptyug	2675	2575
and V. A. Koptyug	2681	2582
-K. P. Butin, L. G. Yudin, A. I. Pavlyuchenko, I. P. Beletskaya, and A. N. Kost Reactions of Pyrylium Salts. IV. Synthesis of $\gamma$ -Amino-Substituted Pyridines	2686	2586
-A. F. Vompe, N. V. Monich, N. F. Turitsyna, and L. V. Ivanova	2690	2590
and Phenylation of 2,5-Dimethyl-5-dimethylaminomethyl- and 2,5-Dimethyl-3-dimethylaminomethyltetrahydrothiopyran-4-ones-E. T. Golovin, B. M. Glukhov,		
and B. V. Unkovskii	2697	2597
Di(2-mercaptoethyl)amines-L. G. Bulavin	2703	2604
3-perfluoromethyl-1,2-dihydroazete-M. A. Énglin, A. S. Filatov, and N. F. Alekseeva	2710	2611

Tables of Contents, Volume 7, Numbers 1-12, 1971 .....

Engl./Russ.

2745

2759